
MÄRKLIN
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SANTA FE
SANTA FE
1961/62 E $

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GEBR. MÄRKLIN & CIE. GMBH

MAKERS OF FINE METAL TOYS

GÖPPINGEN/WÜRTT.

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MÄRKLIN

CATALOG
REFUND COUPON
1961/62

50 cts.

We believe that every MÄRKLIN fan is entitled to a free catalog. However since the cost of producing the catalog is considerable, it has been necessary to charge the dealer for it. When the dealer whose name and address appear below credits you with 50 cts. on a purchase of $ 5.00 or more of MÄRKLIN equipment, this is his gift to you.

Valid until December 25, 1962

✱ MÄRKLIN ✱ MÄRKLIN ✱ MÄRKLIN ✱ MÄRKLIN ✱

To our MÄRKLIN Friends:

he 1961/62 Catalogue presents you with a wealth of distinctive models of high quality and true to pattern at low rices. This international collection is available to you for despatch. How happy this year is yet to prove to you, how tractive and relaxing your leisure, that is altogether in your hands.

ou should ask your dealer to show you these models, so that you may see all these fine details for yourself. They e true to life, in perfect finish. And you will be enthusiastic about our international assortment. Now you will begin realise even more why the Märklin models are so popular throughout the world.

is is the explanation why now and again a particular article may not be instantly available. If this should ever occur you be sure to remember: It always pays to wait for Märklin quality.

And now – all aboard – and a very happy trip.

GEBR. MÄRKLIN & CIE. GMBH · GÖPPINGEN/WÜRTT.

The Advantages of a MÄRKLIN H0 Gauge Railway

Working with alternating current (A. C.)
Running on A. C. (alternating current) by an easy and simple connection through a very reasonably-priced transformer to the electricity supply in your home, working the railway and its accessories; nothing extra is required for MÄRKLIN Telex Couplings, and the locomotives run smoothly to a standstill when the current is switched off.

No problems with the layout
The MÄRKLIN Model Railway is so simple that anyone can easily understand how to build it up, this being its great feature. Even track formations found on full-sized railways – such as reversing loops and triangles – can be reproduced without difficulty, needing neither special connections nor deep pondering over them.

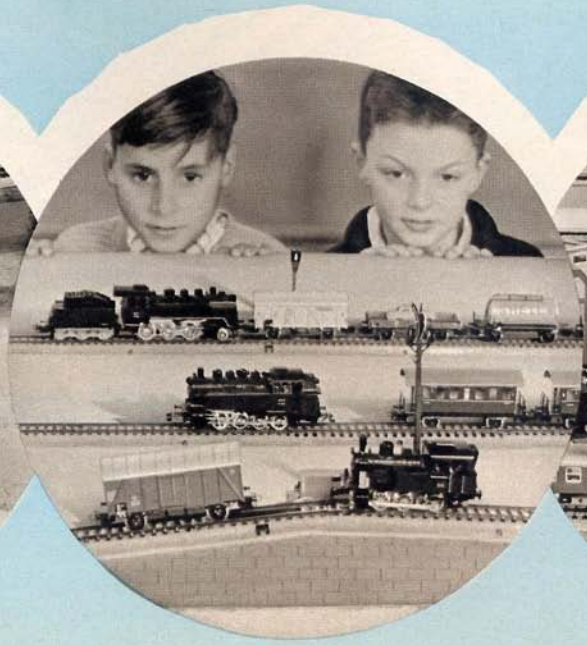
Current is supplied to the track
by centre stud contacts, returning through the two running (outer rails) and all wheels on locomotives and rolling stock (except driving wheels with plastic tyres), so that dust and dirt have very little effect on running the trains with this MÄRKLIN system.

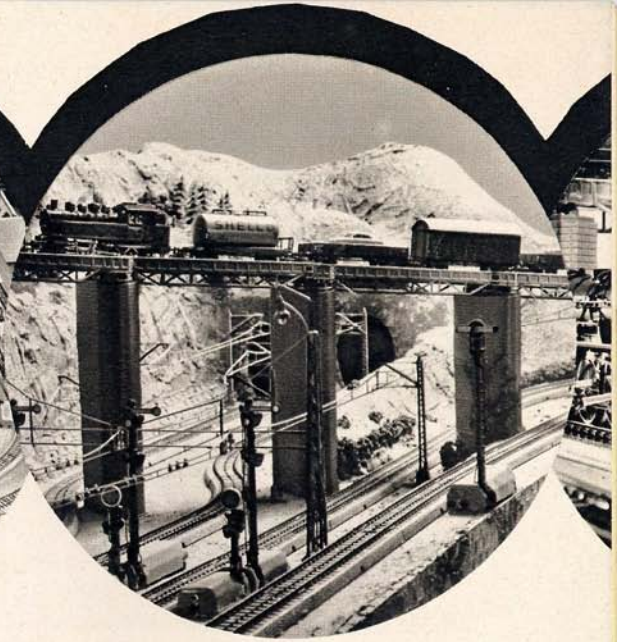
Signals
can be placed anywhere you like, either on the left or right side of the track, there being no need for any insulated track section to interfere with the run of the line, nor is an additional relay necessary for allautomatic block system working by the home signals. A wide range of signal types is available for equipping the line in true scale-model style.

MÄRKLIN Couplings
All rolling stock can be coupled to locomotives or to each other, irrespective of the running direction.

1. Automatic coupling
Couples up automatically when shunting and can be uncoupled again by using an uncoupling track section.

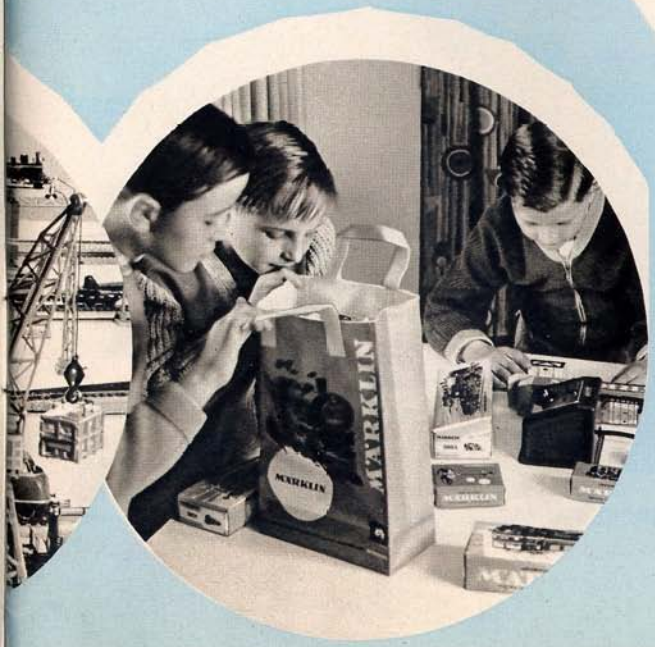
2. Automatic coupling with the "Advance" uncoupler
Most rolling stock is fitted with the "Advance" uncoupler – a device allowing the train to be shunted by pushing without the couplings re-engaging, once they have been uncoupled by the track uncoupler. Coaches and goods wagons can be shunted anywhere desired.





3. The MÄRKLIN TELEX COUPLING

The ideal electro-magnetic coupling operated by remote control not requiring any extra appliances. Certain locomotives are fitted with this coupling (see pages 5 and 7), providing remote control from the transformer for uncoupling rolling stock from locomotives anywhere on the system. These couplings can all be used together indiscriminately.



Splitting up the electrical circuits

Splitting up the track electrically is quite simple, needing **no** insulated track sections that might adversely affect the versatility of the system. Separation of this kind is used for dead-end sidings, passing tracks, and tracks with signals and running sheds, as well as for running services with more than one train.

Further advantages

A complete range of all track parts, including points, crossings and double slip points for both the standard as well as the concentric circle.
All magnetically-operated accessories have their coloured cables and plugs permanently attached, so that building up a railway system is straightforward and easy. Only **one** kind of control panel is required for operating these accessories.

Tractive effort

The very effective contact provided by the MÄRKLIN centre-stud contact track enables **all MÄRKLIN locomotives** – even the smallest ones – to be fitted **with plastic tyres** – a feature of major importance where the tractive effort is concerned.

Radio interference

All MÄRKLIN locomotives are provided with two 250 pF condensers and a 13 μH choke for radio interference suppression; the 5130 suppressor track section is also available for the medium and long-wave bands (see page 40).

Prices

The MÄRKLIN range provides a very extensive selection at all prices; there are locomotives from $ 8.95; train sets with transformers from $ 20.95; hand-operated points from $ 4.00 the pair; electro-magnetically operated points from $ 9.30 the pair, and double-slip points from $ 8.80.

Prices again are surprisingly low, despite increased costs of production

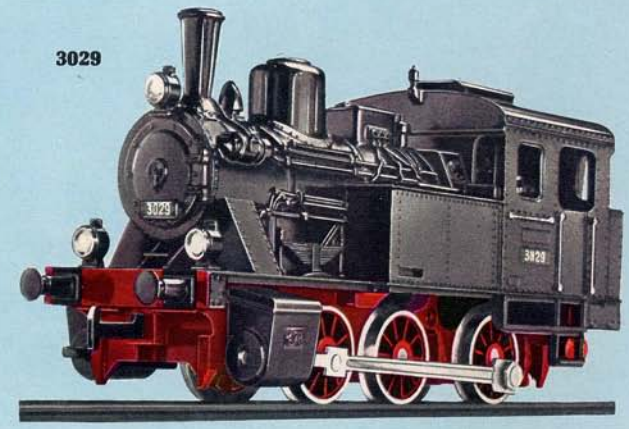
Tank Engines

MÄRKLIN

These tank engines are favourites with many railway operators because of the numerous possibilities for using them for passenger and goods traffic; they are also liked particularly for shunting work in marshalling yards, as well as for their appearance and easy rerailing. Easy running on curves, a high performance and harmony in their general design are special advantages of these models.

and very good value, too!

3029



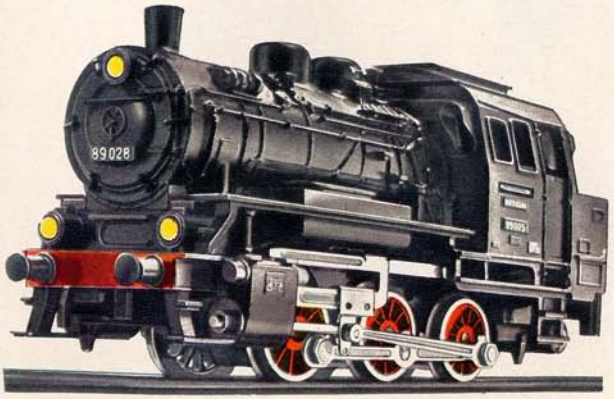
◀ **3029 $ 8.95**

Tank Engine, modelled on a works locomotive · Six-wheeled, 0-6-0 type, remote control reversing · Plastic tyres · Dull black unbreakable plastic casing with cast metal frame; all fittings reproduced in fine detail · Coupling hooks at both ends · 4 in. long over buffers, weight 6 oz.

▶

A transformer with a 16 VA output is ample for working this model (see page 45) but a 30 VA transformer is advisable for trains to light up.

3000



3000 $ 9.95 ▶

Tank Engine – a model of the German Federal Railways Class 89 · Six-wheeled 0-6-0 type, remote control reversing with hand lever in addition · Two plastic tyres on trailing drivers improve tractive effort and climbing power · Specially low and durable reduction gear · Three headlamps to light up · Dull black, unbreakable plastic casing with cast metal frame · Accurate reproduction of boiler fittings, cab, coal bunker and water tanks · Strong coupling hooks at both ends · 4⅜ in. long over buffers, weight 7 oz.

Tank Engines with the MÄRKLIN TELEX COUPLING

3031 $ 20.95 ▶

Tank Engine, Class 81 · Eight-wheeled, 0-8-0 type; remote control reversing with hand lever in addition · Walschaerts valve motion · Two plastic tyres on trailing drivers · Three headlamps to light up, front and rear · Dull black all-metal casing, with all fittings an exact reproduction of the prototype · **MÄRKLIN TELEX COUPLINGS** at both ends · 5 in. long over buffers, weight 14 oz.

The **MÄRKLIN TELEX COUPLING** *operated by remote control from the transformer, allows the train to be uncoupled from the engine at any desired point on the system without needing any extra apparatus.*

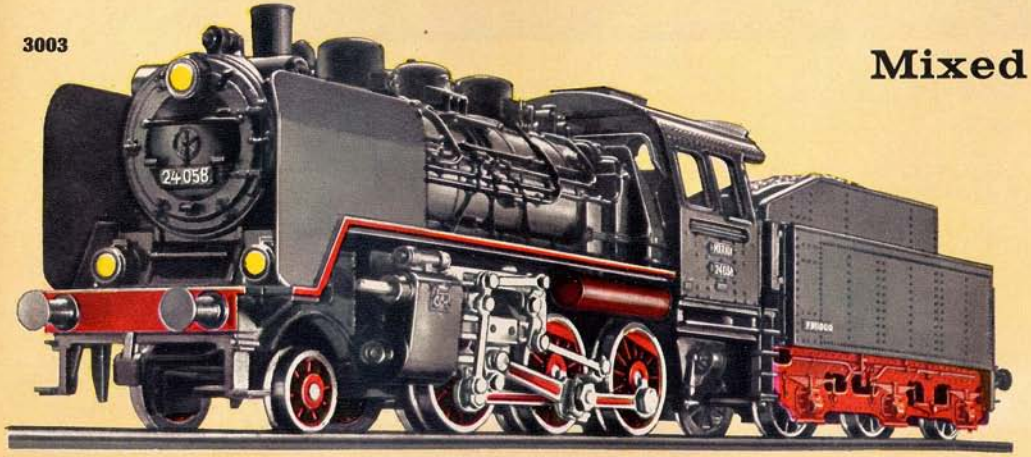
3032 $ 18.95 ▶

Tank Engine as 3031, but **without** the MÄRKLIN TELEX COUPLING and fitted instead with automatic couplings at each end · Weight 13½ oz.

A transformer with a 16 VA output is ample for working these models (see page 45), but a 30 VA transformer is advisable for trains to light up. ▶

3031

3003



Mixed Traffic Engine

The German Federal Railways' Class 24 is a standardised engine used for passenger and goods services. Its maximum speed is 90 kilometres (about 56 miles) an hour.

◀ **3003 $ 17.95**

Passenger Engine and Tender, modelled on the German Federal Railways' Class 24 · Eight-wheeled, 2-6-0 type, reversing by remote control with hand lever in addition · Walschaerts valve motion · The leading truck is held down on the track by a spring, avoiding all risk of derailment · Full coupling facilities at both ends of the engine · Two plastic tyres on trailing drivers to increase the tractive effort; specially low gearing · Three headlamps to light up · Dull black unbreakable plastic casing with exact scale-model reproduction of the boiler fittings on the full-sized prototype · Pressure-cast zinc frame · Tender close-coupled to engine · All details of the riveted six-wheeled tender reproduced · 8 in. long over buffers, weight including tender 11 oz.

The German Federal Railways' Class 23 engines are used on medium and heavy passenger services, as well as for fast, light express and goods trains. Engines and tenders are both of modern welded construction and the design is good enuogh to allow running at 110 kilometres (about 68 miles) an hour forward and 85 kilometres (about 53 miles) an hour tender first. As this class of engine can run at this high speed tender first, it is frequently used in heavy suburban and inter-urban traffic as well, in place of tank engines. These MÄRKLIN models are genuinely true reproductions of the originals in service on the German Federal Railways' main line system.

3005

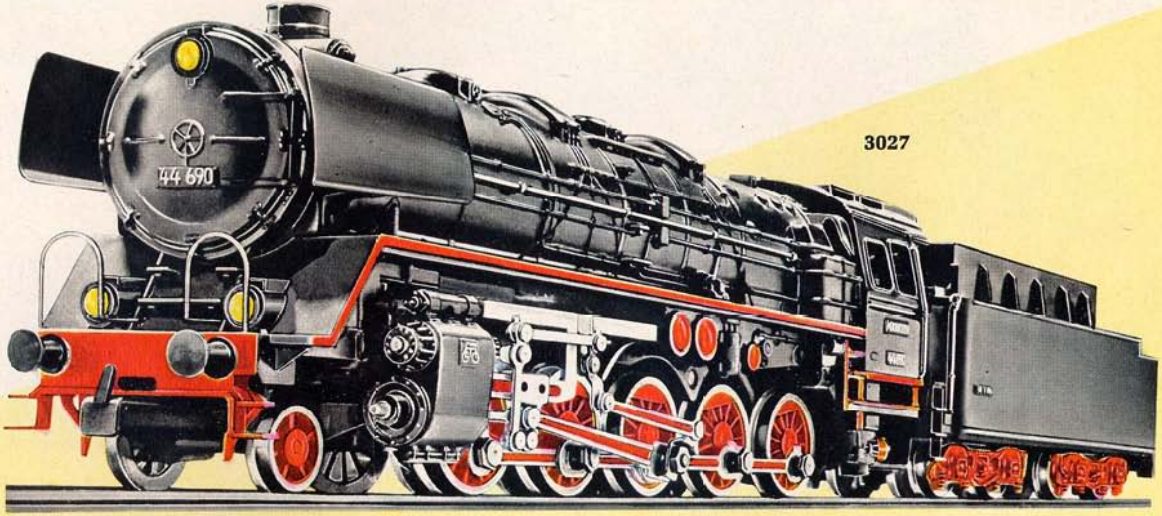
A transformer with a 16 VA output is ample for running this engine (see page 45), but a 30 VA transformer is advisable for trains to light up.

3005 $ 24.95

Engine and tender, modelled on the German Federal Railways' Class 23 engine · Ten-wheeled, 2-6-2 type, reversing by remote control with hand lever in addition · Walschaerts valve motion · Leading and trailing trucks kept on the track by springs, preventing risk of derailment and ensuring good running on curves · Coupling hook fitted to leading truck, giving full coupling facilities in front as well · Two plastic tyres on trailing drivers to increase tractive effort · Specially low reduction gearing · Two electric headlamps · Dull black strong all-metal casing with exact scale-model reproduction of the boiler fittings and all-over cab of the full-sized original · Cast metal frame · The double-bogie tender is a reproduction of the welded original and is close-coupled to the engine; automatic coupling and numerous details · 9¾ in. long over buffers, weight 19½ oz. including tender.

Heavy Goods Engine with MÄRKLIN TELEX COUPLING

The steadily-increasing long-distance goods traffic on the German Federal Railways is often hauled by the powerful Class 44 locomotives on non-electrified sections; that is the reason for this particular type of engine being met with so frequently on the main lines of the full-sized railway system, arousing the interest and admiration of all railway enthusiasts. Its fine outlines and massive proportions were the inspiration for its reproduction in the form of this splendid model.



3027

A transformer with a 30 VA output is required for this model (see page 45).

3027 $ 40.95

Heavy Goods Engine, modelled on the German Federal Railways' Class 44 locomotive · Engine and tender permanently coupled together · Twelve-wheeled, 2-10-0 type · The running gear is divided into two separate groups of driving wheels, giving excellent running, even on curves of short radius · Remote control reversing with hand lever in addition on the engine casing · Walschaerts valve motion · Leading truck is sprung to prevent derailment · Very easy running on curves · Two plastic tyres on trailing drivers to increase tractive effort · All driving axles are driven · Specially low-geared motor provides slow running as well · Three headlamps to light up · Dull black, strong all-metal casing · Front coupling hook fixed to leading truck provides full coupling facilities · Scale model reproduction of all boiler fitting details and smoke deflector plates · Eight-wheeled bogie tender with MÄRKLIN TELEX COUPLING · 11 in. long over buffers, weight including tender 29 oz.

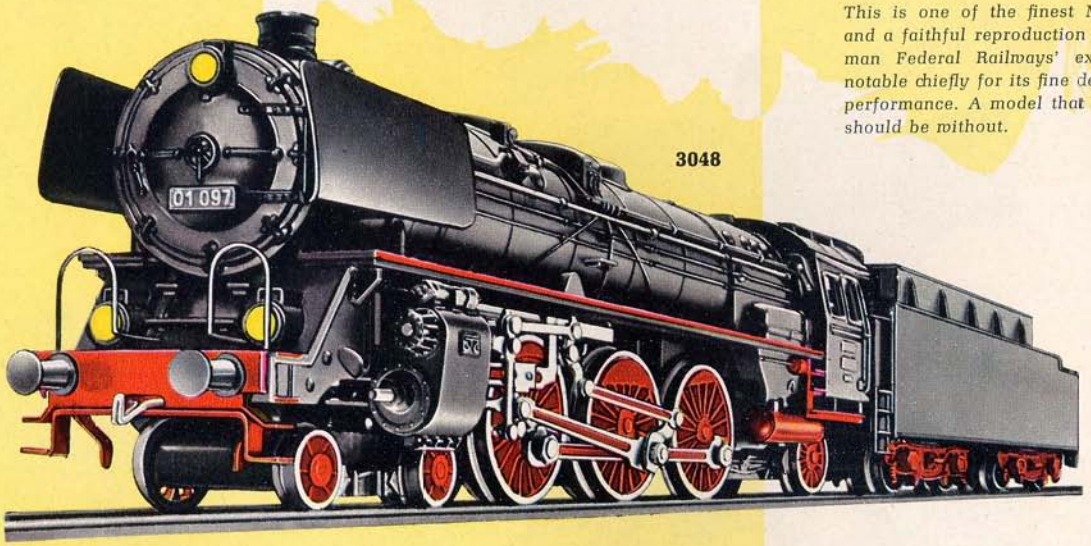
The MÄRKLIN TELEX COUPLING fitted in the tender enables the train to be uncoupled from the engine at any point on the system by remote control from the transformer without any extra appliance being required.

MÄRKLIN

The Steaming Locomotive

a super-model, even more true to scale and more realistic still

This is one of the finest MÄRKLIN models and a faithful reproduction of a Class 01 German Federal Railways' express locomotive, notable chiefly for its fine design and excellent performance. A model that no railway system should be without.



3048

This Engine really does steam!

3048 $ 32.95

Express Engine and tender, modelled on the German Federal Railways' Class 01 · Twelve-wheeled, 4-6-2 type, reversing by remote control with hand lever in addition · **Equipment to produce a close imitation of real steam,** consisting of an extra steam pipe, cleaning wire, tweezers and smoke fluid cartridge · Leading bogie and trailing truck are sprung to prevent derailment · Easy running on curves · Two plastic tyres on the trailing drivers to increase tractive effort and climbing power · Three headlamps to light up · Dull black, strong all-metal casing with exact reproduction of boiler fittings and cylinders · Scale-model smoke deflector plates · Double bogie tender with automatic coupling · 11 in. long over buffers, weight including tender 26 oz.

A transformer with a 30 VA output (see page 45) is required for this model.

A transformer with a 30 VA output (see page 45) is required for this model.

A Diesel-hydraulic Locomotive

Diesel locomotives of the V 200 Class are used on the German Federal Railways to replace steam engines. The V 200 is a diesel-hydraulic locomotive with two engines, each developing 1100 HP. It is designed for a maximum speed of 140 kilometres (approximately 87 miles) an hour and is used chiefly for express services.

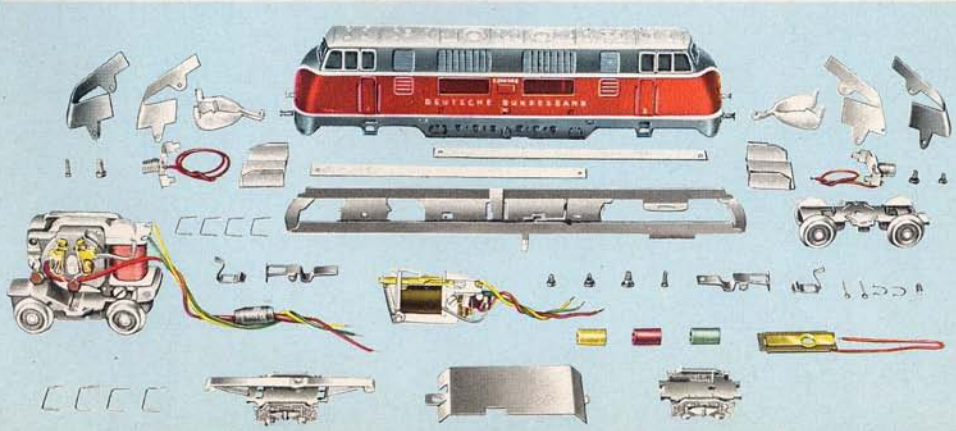
3021

3021 $ 22.95

Diesel Locomotive, modelled on the German Federal Railways' Class V 200 · Eight-wheeled, 0-4-4-0 type, with both axles of the rear bogie driven · Reverses by remote control with hand lever in addition · Four plastic tyres on the driven set of wheels, giving an extra high tractive effort · Three headlamps front and rear to light up · Red and grey all-metal superstructure with numerous details · Silver roof, windows glazed with cellon · Automatic couplings both ends · 8³/₈ in. long over buffers, weight 16 oz.

The V200 Locomotive Building Set

▼



3921 $ 18.95

Diesel Locomotive Building Set ▶

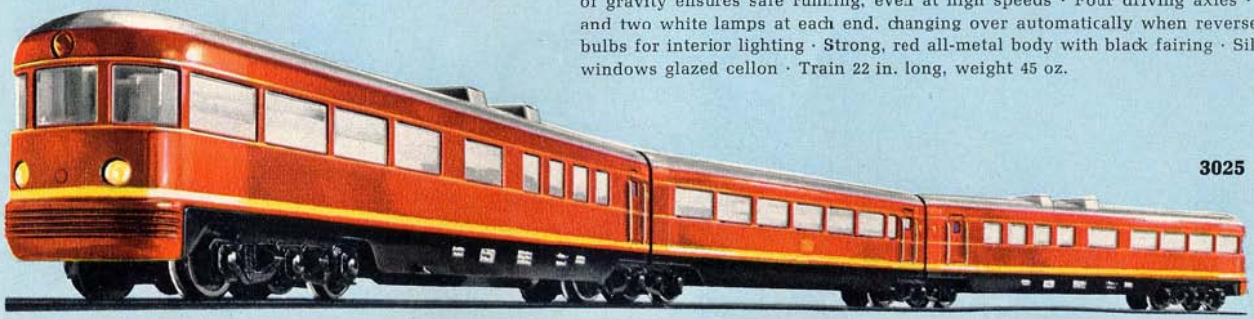
Containing all parts required for building the 3021 diesel locomotive, except the lamp bulbs (though the finished locomotive can be lighted up) · Needs only a screwdriver with a blade 3 mm. and a pair of flat pliers to assemble the parts, there being no painting or soldering work · This engine is rather more difficult to assemble than coaching stock sets · Illustrated instructions for building are included with every set.

Railcars

This model requires a transformer with a 30 VA output (see page 45).

3025 $ 52.95

Railcar Flyer Train, three-unit type on four bogies, the two middle ones being the Jacobs type · Remote control reversing with hand lever in addition · The low centre of gravity ensures safe running, even at high speeds · Four driving axles · One red and two white lamps at each end, changing over automatically when reversed · Four bulbs for interior lighting · Strong, red all-metal body with black fairing · Silver roof, windows glazed cellon · Train 22 in. long, weight 45 oz.



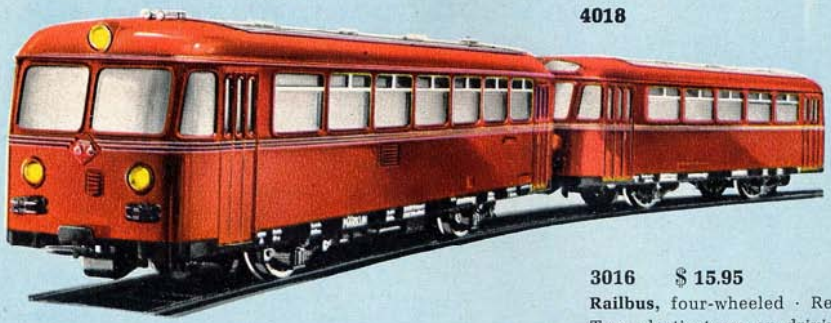
3025

Railbus and Trailer

A transformer with a 16 VA output (see page 45) is ample for running this model.

3016

4018



4018 $ 6.00

Trailer for Railbus · Sheet steel frame with fine plastic reproductions of axleboxes, springing and rail guards · Plastic bodywork with numerous details · Windows glazed with cellon · Red tail lights both ends, with one bulb for interior lighting · Collector shoe for lighting · Special symmetrical coupling to fit railbus only · 4¾ in. long over buffers, weight 3 oz.

3016 $ 15.95

Railbus, four-wheeled · Remote-controlled reversing with hand lever in addition · Two plastic tyres on driving wheels · Lamps both ends and two bulbs for interior lighting · Unbreakable red plastic bodywork with numerous details · Cast metal frame with fine plastic reproductions of axleboxes, springing and rail guards · Windows glazed with cellon · Cars close-coupled by special symmetrical couplings at both ends · 5⅞ in. long over buffers, weight 10 oz.

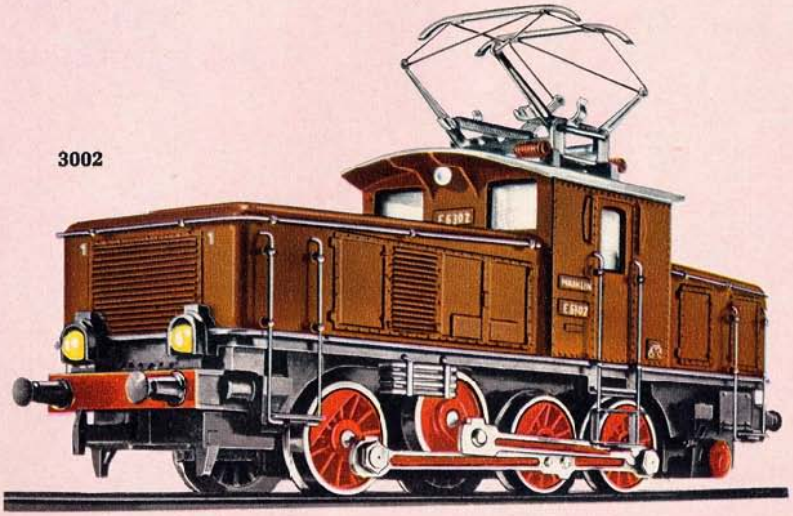
A much-admired design

3001 **$ 15.95**

Electric Shunting Locomotive, modelled on the German Federal Railways' Class E 63 · Six-wheeled 0-6-0 type with geardriven jackshaft · Remote control reversing, with hand lever in addition · Plastic tyres on trailing drivers give extra tractive effort and climbing power · Low-geared motor with durable gearing · Two electric headlamps at each end, changing over automatically when reversed · Lever for optional current pick-up from overhead wire or surface contact · Special lightly-sprung current collector · Unbreakable red plastic superstructure with handrails mounted separately and numerous details · Cast metal frame · Windows glazed with cellon · Strong coupling hooks both ends. · 4 3/4 in. long over buffers, weight 8 3/4 oz.

These MÄRKLIN locomotives are faithful reproductions of the originals on the German Federal Railways.

3001



3002

3002 **$ 15.95**

Electric Shunting Locomotive, as 3001, but finished in brown.

MÄRKLIN

A transformer with a 16 VA output (see page 45) is ample for running this model, though a 30 VA transformer is advisable if trains are to light up.

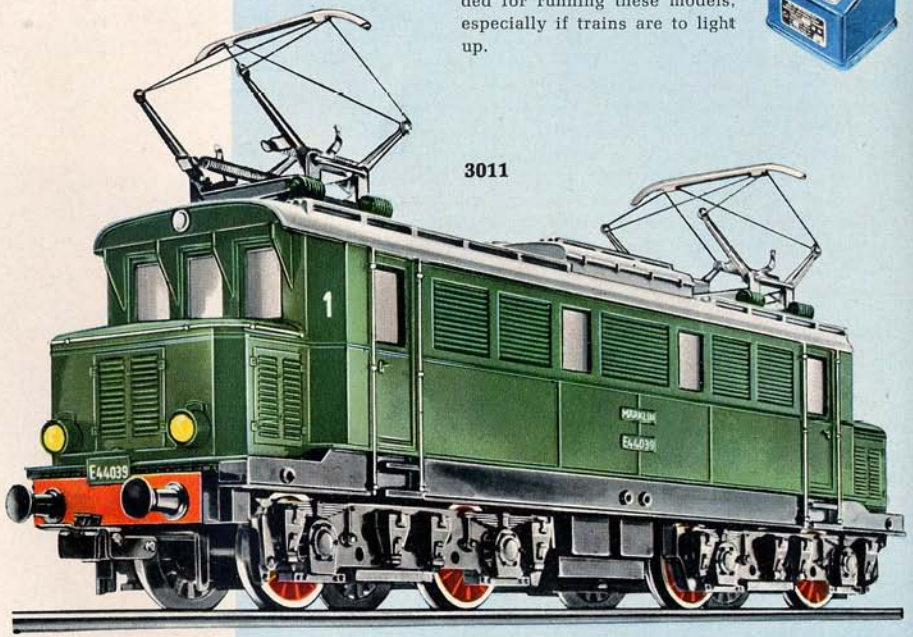
An all-purpose Locomotive

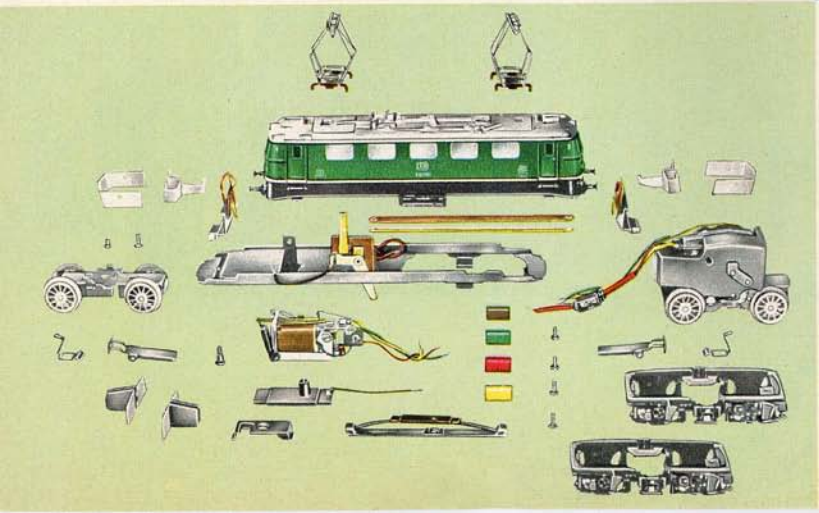
3011 $ 24.95

Electric Locomotive for mixed traffic · Eight-wheeled · The two inner axles are driven by the motor, the two outer ones each being carried in separate trucks to improve running on curves · The axles are arranged to give the impression of the 0-4-4-0 layout of the full-sized original – the German Federal Railways Class E 44 · Remote control reversing with hand lever in addition · Two plastic tyres fitted to one set of driving wheels give a specially high tractive effort · Two electric headlamps each, front and rear, changing automatically when the locomotive reverses · Lever for optional current pick-up from overhead wire or surface contact · Two sprung current collectors on roof · Green all-metal superstructure of very complete design with numerous details; windows glazed with cellon · Automatic couplings at each end · 6⅝ in. long over buffers, weight 25 oz.

A transformer with a 30 VA output (see page 45) is recommended for running these models, especially if trains are to light up.

3011





MÄRKLIN

Class E 41 Locomotive Building Set

◀ **3937** $ 16.95

Electric Locomotive Building Set · Contains all parts for building the 3037 electric locomotive (see page 13), except lamp bulbs, though this locomotive can be lighted up · Needs only a screwdriver and flat pliers for assembling, there being no painting or soldering work · This engine is rather more difficult to assemble than coaching stock; illustrated instructions for building are included with every set.

Electric Locomotives - practically designed - well made = reasonable in price

3034 $ 18.95

Electric Locomotive, modelled on the German Federal Railways' Class E 41 locomotive · Eight-wheeled 0-4-4-0 type, with both trailing bogie axles driven · Remote control reversing with hand lever in addition · Four plastic tyres to increase the tractive effort · Three headlamps each, front and rear, to light up · Lever for optional current pick-up from overhead wire or surface contact · Two sprung current collectors on roof · Blue all-metal superstructure with numerous details; silver roof, windows glazed with cellon · Automatic couplings at both ends · 6⅞ in. long over buffers, weight 16½ oz.

▼

3037

▲

3037 $ 18.95

Electric Locomotive as 3034, but superstructure finished green.

3034

A transformer with a 16 VA output (see page 45) is ample for running these locomotives, though a 30 VA transformer is advisable if trains are to light up.

The originals of these new MÄRKLIN models 3034 and 3037 are to be seen in both blue and green finish in the Federal territory of Western Germany, where they are used on express, fast, passenger and goods services.

American Diesel Locomotives

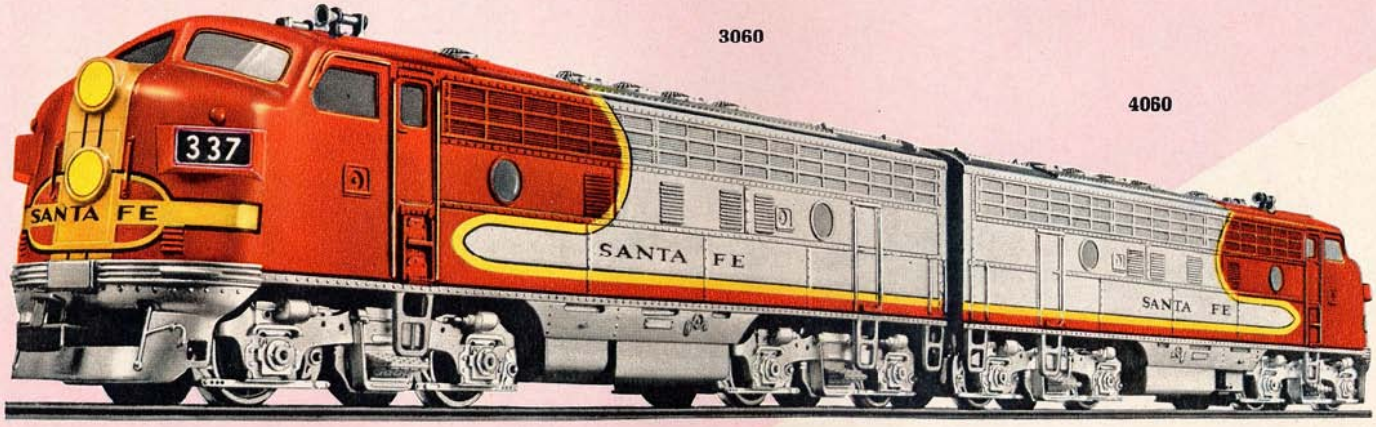
A transformer with a 16 VA output is ample for running this locomotive (see page 45), though a 30 VA transformer is advisable if trains are to light up.

3060 **$ 19.95**

Diesel Locomotive, modelled on the American Type F 7 of the Electro-Motive Division of General Motors as made for the Atchison, Topeka and Santa Fé Railroad · Eight-wheeled, 0-4-4-0 type · Both trailing bogie axles driven and wheels fitted with four plastic tyres · Remote control reversing with hand lever in addition · High tractive effort; scalemodel lighting · All-metal superstructure with numerous details; windows glazed with cellon · Automatic couplings at both ends · 6⁷/₈ in. long, weight about 14¹/₈ oz.

4060 **$ 9.95**

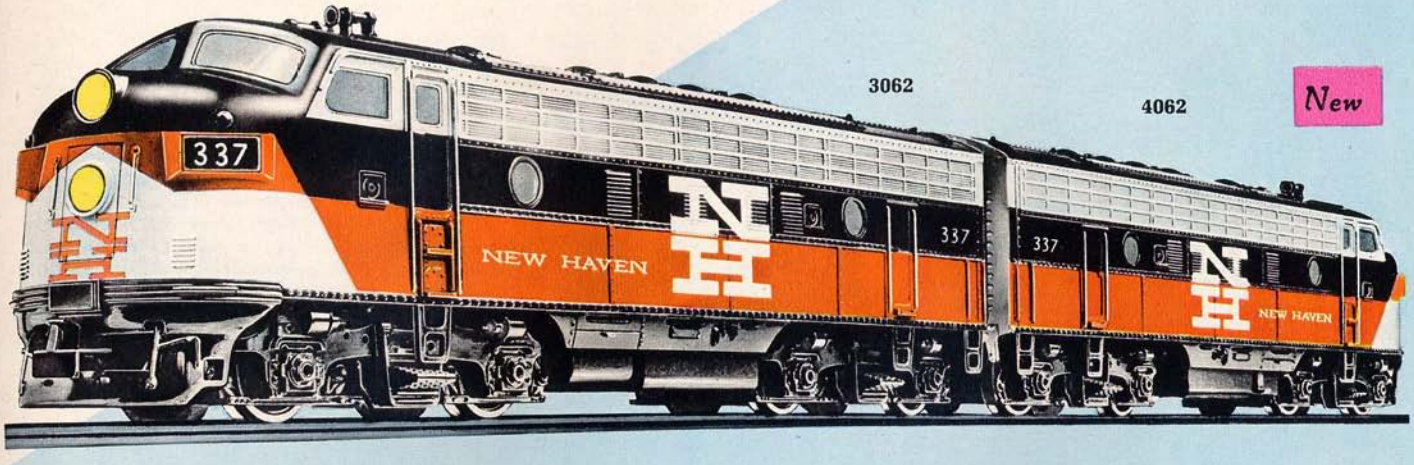
Counterpart, without drive · To match diesel locomotive 3060 · Eight-wheeled, 0-4-4-0 type · Scale model lighting; all-metal superstructure with numerous details; windows glazed cellon · Automatic coupling at driving end · 6⁷/₈ in. long, weight about 11⁵/₈ oz.



New

The diesel locomotives of the American Type F 7 made by the Electro-Motive Division of General Motors are used for both passenger and goods services, reaching speeds up to 100 and 85 miles an hour respectively. They are equipped with steam generators (for heating the trains).

American Diesel Locomotive



3062 4062 New

3062 $ 19.95

Diesel Locomotive, modelled on the American Type F 7 of the Electro-Motive Division of General Motors as made for the New Haven Railroad · Eight-wheeled, 0-4-4-0 type · Both trailing bogie axles driven and wheels fitted with four plastic tyres · Remote control reversing with hand lever in addition · High tractive effort, scale model lighting · All-metal superstructure with numerous details, windows glazed with cellon · Automatic couplings at both ends · $6^{7}/_{8}$ in. long, weight about $14^{1}/_{8}$ oz.

4062 $ 9.95

Counterpart, without drive · To match diesel locomotive 3062 · Eight-wheeled, 0-4-4-0 type · Scale model lighting; all-metal superstructure with numerous details; windows glazed cellon · Automatic coupling at driving end · $6^{7}/_{8}$ in. long, weight about $11^{5}/_{8}$ oz.

MÄRKLIN

A transformer with a 16 VA output is ample for running this locomotive (see page 45), though a 30 VA transformer is advisable if trains are to light up.

Outstanding models

of a Netherlands Locomotive

3013 **$ 27.95**
Electric Express Locomotive · Eight-wheeled, with the same axle arrangement as the 3011 on page 12 · Remote control reversing with hand lever in addition · Two plastic tyres on one set of drivers giving specially high tractive effort · Two electric headlamps each, front and rear, change automatically when reversing · Lever for optional current pick-up from overhead wire or surface contact · Two sprung current collectors on roof · Blue all-metal superstructure with silver bands and porthole-type side windows, all windows glazed with cellon · Automatic couplings at both ends · 6⅝ in. long over buffers, weight 25½ oz.

MÄRKLIN

of a French Locomotive

3012 **$ 27.95**
Electric Express Locomotive, as 3013, but in green finish.

The original of the 3013 locomotive is in use on services of the Nederlandsche Spoorwegen (Netherlands State Railways), while that of the 3012 locomotive is to be found in France.

A transformer with a 30 VA output (see page 45) is advisable for running these models, especially if the trains are to light up.

Swedish Locomotives

3019 **$ 26.95**

Electric Locomotive for mixed traffic, same as 3030, but in green finish.

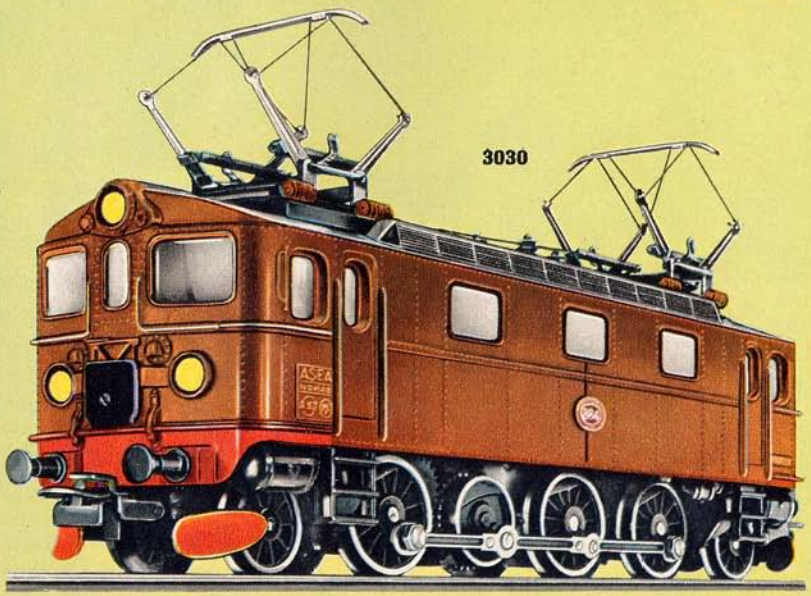
3030 **$ 26.95**

Electric Locomotive for mixed traffic, modelled on the Swedish State Railways' Da Class · Ten-wheeled, 2-6-2 type, with three driven axles; gear-driven jackshaft · Reverses by remote control with hand lever in addition · Leading and trailing trucks are kept on the rails by springs to avoid risk of derailment · Two plastic tyres on one set of drivers give a high tractive effort · Three electric headlamps each, front and rear, to change automatically when reversing · Lever for optional current pick-up from overhead wire or surface contact · Two sprung current collectors on roof · Brown all-metal superstructure with numerous details · Automatic couplings at both ends · 5⅞ in. long over but in green finish.

The standard Class D locomotives are much in evidence on the Swedish State Railways' lines (Statens Järnvägar), the Da type being the latest of this Class. It is used for both passenger and goods services. Owing to its low axle loading of only 15 or 17 tons, as the case may be, axles driven individually might possibly race or slip under difficult starting conditions and so these locomotives are fitted with coupling rod drive. These MÄRKLIN locomotives are faithful models of their full-sized originals on the Swedish State Railways.

A transformer with a 30 VA output (see page 45) is advisable for running these models, especially if the trains are to light up.

3019



3030

The favourite Swiss Locomotive

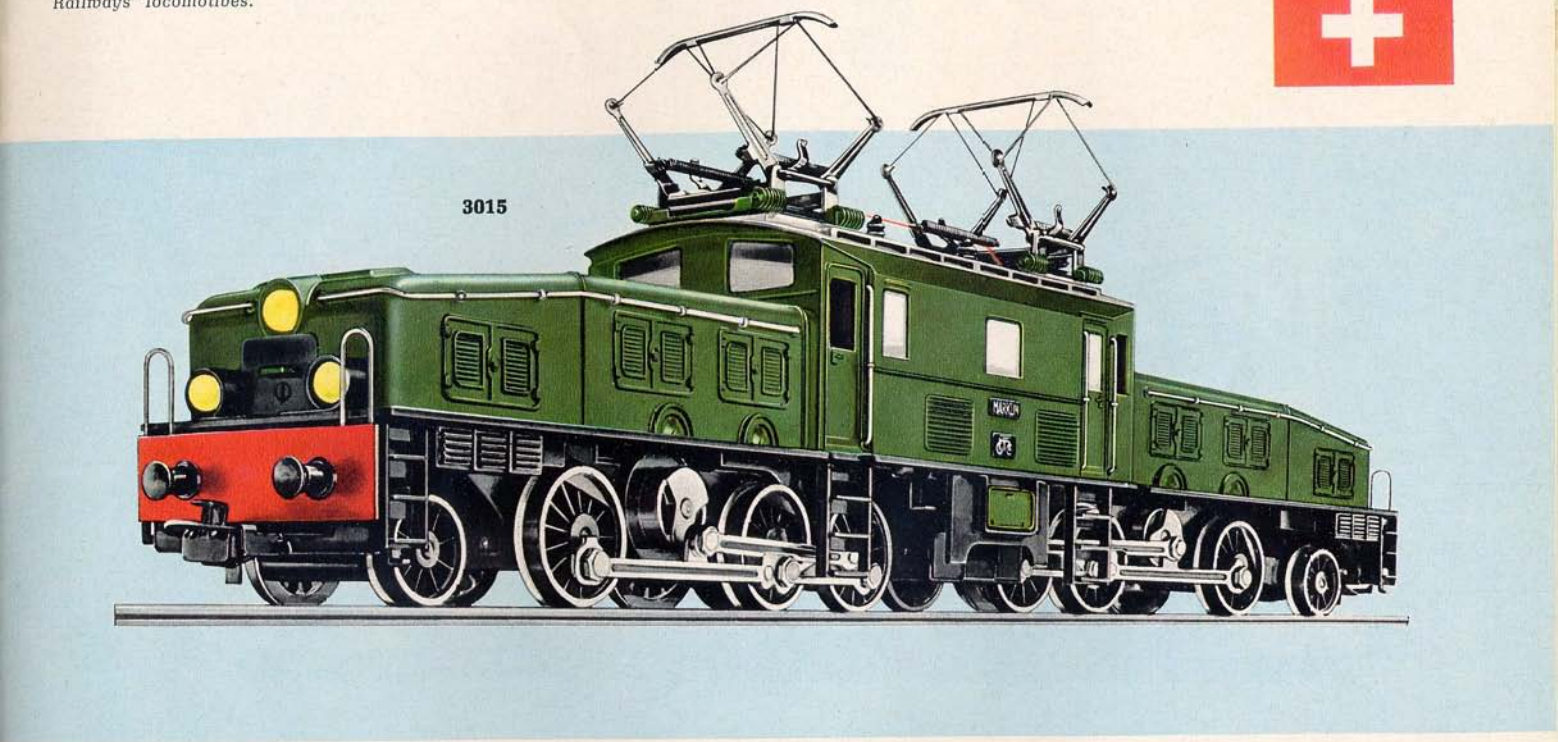
The full-sized originals – the Class Re 4/4 locomotives – are used in Switzerland for hauling the lightweight express trains so much in favour there. This locomotive is among the finest of its kind, individually or collectively, and its fine reproduction in model form is an admirable addition to any railway system.

3014 **$ 27.95**
Electric Locomotive, eight-wheeled, with the same axle arrangement as the 3011 (see page 12) · Reverses by remote control with a hand lever in addition · Two plastic tyres on one set of drivers give a specially high tractive effort · Three electric headlamps each, front and rear, changing automatically when reversing · Lever for optional current pick-up from overhead wire or surface contact; two sprung current collectors on roof · Green all-metal superstructure with numerous details; windows glazed with cellon · Automatic couplings at both ends · 6½ in. long over buffers, weight 23 oz.

A transformer with a 30 VA output (see page 45) is recommended for running this model, especially if the trains are to light up.

Heavy Electric Swiss Goods Locomotive

This masterpiece in miniature is a true model of its internationally-famous original — the Series Ce 6/8. This model is one of the most distinctive and finest of the Swiss Federal Railways' locomotives.



3015

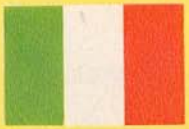
3015 $ 48.95

Electric Goods Locomotive – the "Crocodile", sixteen-wheeled 2-6-6-2 type · The articulated design enables this locomotive to take curves of normal radius without difficulty · Remote control reversing, with hand lever in addition · Two plastic tyres on one set of drivers · The leading and trailing truck wheels are secure against derailment, as springs keep them down on the rails · Three electric headlamps each, front and rear, changing automatically · Lever for optional current supply from overhead wire or surface contact · Two sprung current collectors on roof · Green all-metal superstructure with numerous details; windows glazed with cellon · Automatic couplings at both ends · 10½ in. long over buffers, weight 34 oz.

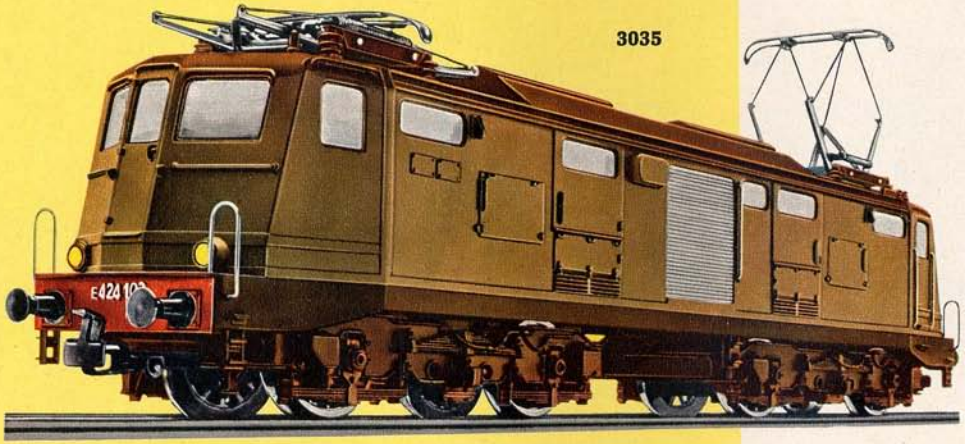
A transformer with a 30 VA output (see page 45) is required for this model.

Italian Electric Lokomotive

This MÄRKLIN locomotive is a faithful model of its original in service on the Italian State Railways' main lines.



A transformer with a 16 VA output (see page 45) is ample for running this model, though a transformer with a 30 VA output is recommended for use when trains are to light up.



3035

3035 $ 18.95

Electric Locomotive, modelled on the Italian State Railways' Class E 424 · Eight-wheeled, 0-4-4-0 type · Both axles of the trailing bogie driven · Remote control reversing, with hand lever in addition · Four plastic tyres for extra tractive effort · Two headlamps each, front and rear, to light up · Lever for optional current supply from overhead wire or surface contact · Two sprung current collectors on roof · All-metal superstructure finished in the true paint of the original · Windows glazed with cellon · Automatic couplings at both ends · 6⅞ in. long over buffers, weight 15½ oz.

MÄRKLIN

Austrian Electric Locomotive

The original of this MÄRKLIN model is engaged on the Austrian Federcl Railways' services, chiefly on lines where gradients and track conditions are favourable. The locomotive weighs 80 tons and develops a one-hour rating of 3400 HP, its maximum speed being 110 kilometres (about 70 miles) an hour.

3036

New

A transformer with a 16 VA output is ample for running this locomotive (see page 45), though a transformer with a 30 VA output is recommended for use when trains are to light up.

3036 $ 19.95

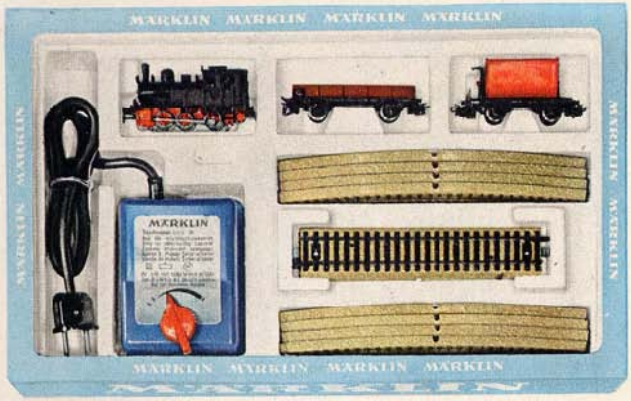
Electric Locomotive, modelled on the Class 1141 on the Austrian Federal Railways · Eight-wheeled, 0-4-4-0 type · Both axles of trailing bogie driven and wheels fitted with four plastic tyres to increase tractive effort · Remote control reversing · Three headlamps each, front and rear, to light up · Lever for optional current supply from overhead wire or surface contact, with two sprung current collectors on roof · All-metal superstructure finished in the true colours of the original · Insert windows; automatic couplings at both ends · 6⅞ in. long over buffers, weight about 14½ oz.

Train Sets with oval Tracks and Transformers for traction and lighting connections

To run off A.C.(alternating current) mains only

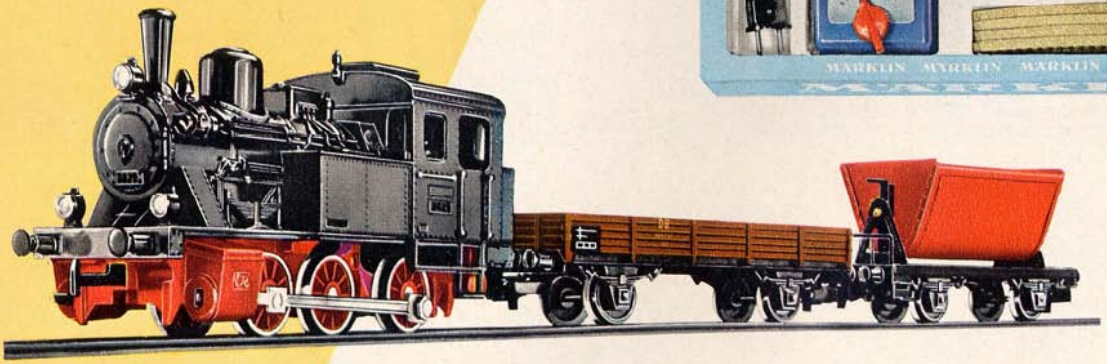
2955 = 110 volts **$ 20.95**

Passenger Train with Transformer, consisting of steam locomotive (with remote control reversing) and two 4040 passenger coaches · Train 13½ in. long · Eight 5120 curved track sections, one 5106 straight section, one 5111 feeder section and one transformer.



These train sets that are such excellent value for money are made up in gift boxes like the one shown.

This transformer—packed in together with the train—has, like all MÄRKLIN railway transformers, **connections for the track and for lights and magnetically-operated accessories** *as well; it also supplies a specially high voltage for reversing the locomotive by remote control. The output of this transformer is sufficient to run larger locomotives also, such as 3005, 3016, 3034 and other similar ones, for example.*



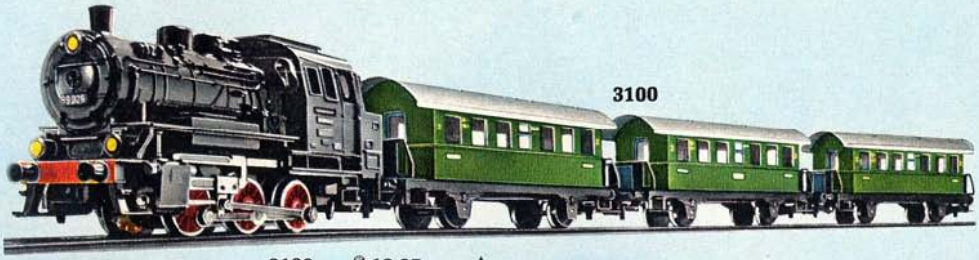
Goods Train with Transformer, consisting of steam locomotive (with remote control reversing) and two goods wagons · Train 12¼ in. long · Eight 5120 curved track sections, one 5106 straight section, one 5111 feeder section and one transformer.

2935 = 110 volts **$ 20.95**

The locomotives and transformers of these train sets cannot be supplied separately.

Interesting Train Sets with oval Tracks but without Transformers

These trains are among the most outstanding models we make, despite their low cost which enables anyone to have these MÄRKLIN Railways without any great outlay.



3100

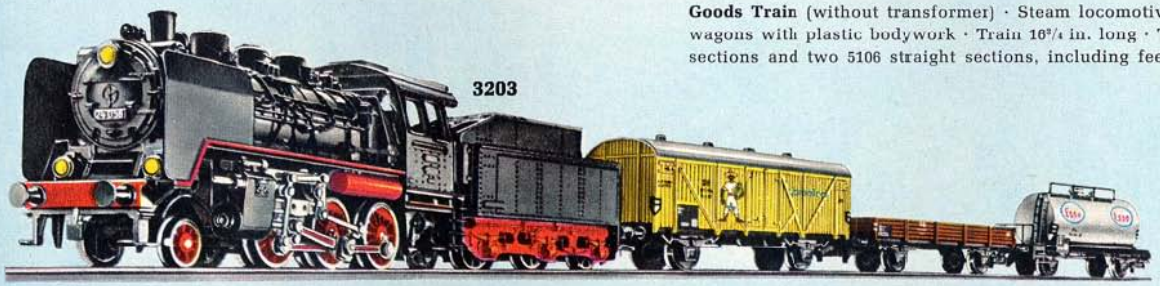
3100 $ 19.95 ▲

Passenger Train (without transformer) · Steam locomotive 3000, and three 4000 passenger coaches · Train 19 in. long · Twelve 5100 curved track sections and two 5106 straight sections, including feeder section.

3200

3200 $ 20.95 ▲

Goods Train (without transformer) · Steam locomotive 3000, and three goods wagons with plastic bodywork · Train 16³/₄ in. long · Twelve 5100 curved track sections and two 5106 straight sections, including feeder section.



3203

3203 $ 29.95 ▲

Goods Train (without transformer) · Steam locomotive 3003 and three goods wagons with plastic bodywork · Train 21 in. long · Twelve 5100 curved track sections and two 5106 straight sections, including feeder section.

3103

3103 $ 30.95 ▲

Passenger Train (without transformer) · Steam locomotive 3003, two 4002 coaches and one 4003 coach · Train 25 in. long · Twelve 5100 curved track sections and two 5106 straight sections, including feeder section.

A transformer with a 16 VA output is ample for running these trains (see page 45), though a transformer with a 30 VA output is advisable if trains are to light up.

Sets ready to run,

3134

3134 $ 39.95

Express Train (without transformer) · Electric locomotive 3034 with express stock: 4022 coach, 4024 dining car and 4026 luggage van · Train 36½ in. long · Twelve 5100 curved track sections and six 5106 straight sections, including feeder section.

3137

3137 $ 33.95

Passenger Train (without transformer) · Electric locomotive 3037 with two 4002 passenger coaches and 4003 luggage van · Train 24 in. long · Twelve 5100 curved track sections and two 5106 straight sections, including feeder section.

▼

3237

3237 $ 34.95

Goods Train (without transformer) · Electric locomotive 3037 with 4501 tank wagon, 4503 low-sided truck, 4505 goods wagon and 4509 banana van · Train 24 in. long · Twelve 5100 curved track sections and two 5106 straight sections, including feeder section.

▼

3121

3121 $ 42.95

Express Train (without transformer) · Diesel locomotive 3021, with express passenger coach, dining car 4024 and 4026 luggage van · Train 38½ in. long · Twelve 5100 curved track sections and six 5106 straight sections, including feeder section.

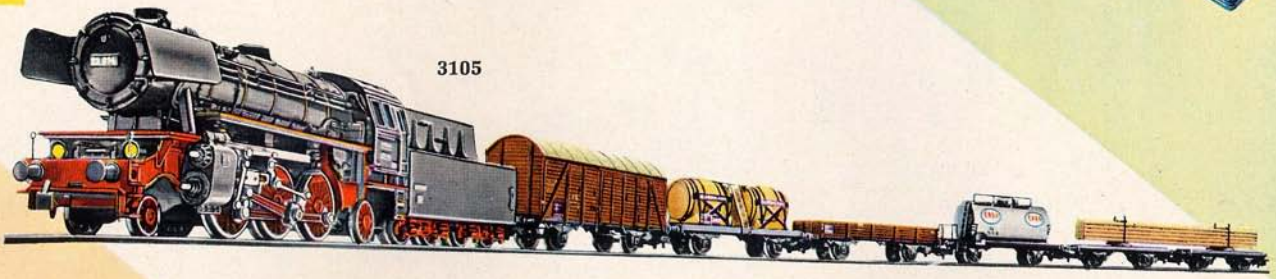
▼

▲

A 16 VA transformer is adequate for trains 3134, 3137 and 3237, but if trains are to light up, a 30 VA transformer is recommended.

The 3121 train set requires a transformer with a 30 VA output (see page 45).

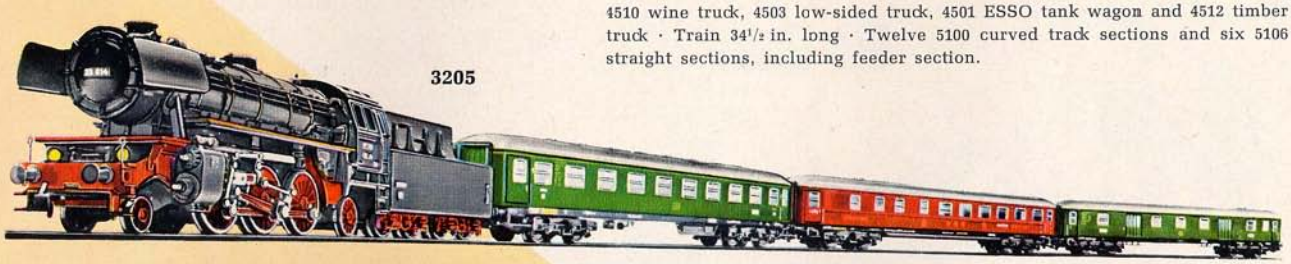
A transformer with a 16 VA output (see page 45) is ample for running the 3105 and 3205 trains, but a 30 VA transformer is advisable if the trains are to light up.



3105

3105 $ 45.95 ▲

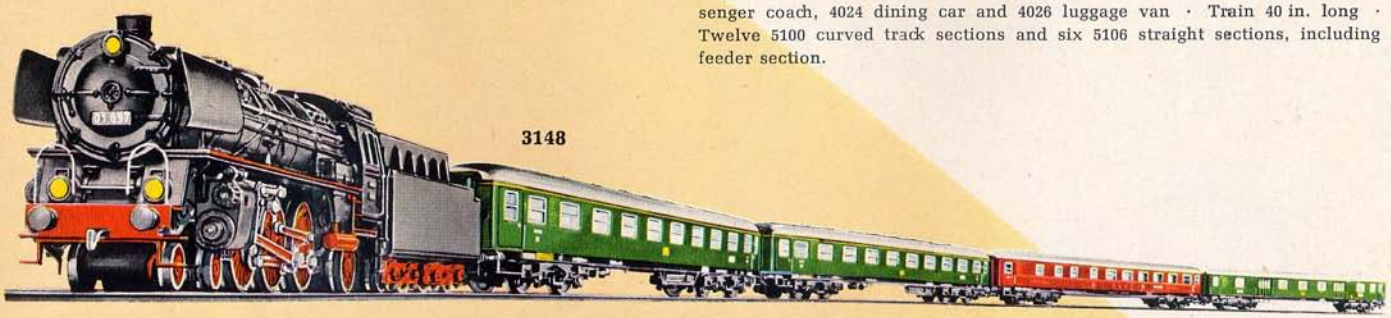
Goods Train (without transformer) · Steam locomotive 3005, 4505 goods van, 4510 wine truck, 4503 low-sided truck, 4501 ESSO tank wagon and 4512 timber truck · Train 34½ in. long · Twelve 5100 curved track sections and six 5106 straight sections, including feeder section.



3205

3205 $ 44.95 ▲

Express Train (without transformer) · Steam locomotive 3005, express passenger coach, 4024 dining car and 4026 luggage van · Train 40 in. long · Twelve 5100 curved track sections and six 5106 straight sections, including feeder section.



3148

3148 $ 74.95 ▲

Express Train with points (without transformer) · Steam locomotive 3048 fitted to produce imitation steam, two express passenger coaches, 4024 dining car and 4026 luggage van · Train 50 in. long · Twelve 5100 curved track sections and nineteen 5103 straight sections, including feeder section, one 5108 straight section, one pair of 5117 electro-magnetic points, control panel and four cables.

The 3148 train requires a 30 VA transformer (see page 45).

Train Sets ready for running, with oval

Swiss Lightweight Express Train

(without transformer)

3214 $ 49.95

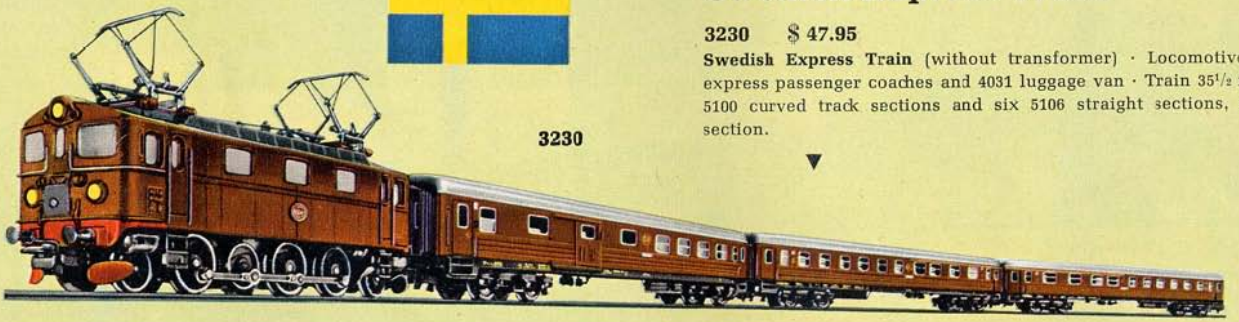
Swiss Lightweight Express Train (without transformer) · Locomotive 3014, 4038 lightweight express passenger coach, 4035 dining car and 4017 luggage van · Train 33 in. long · Twelve 5100 curved track sections and six 5106 straight sections, including feeder section.

3214

Swedish Express Train

3230 $ 47.95

Swedish Express Train (without transformer) · Locomotive 3030, two 4030 express passenger coaches and 4031 luggage van · Train 35½ in. long · Twelve 5100 curved track sections and six 5106 straight sections, including feeder section.



3230

Italian Express Train

3135 $ 36.95

Italian Express Train (without transformer) · Locomotive 3035, three 4036 express passenger coaches · Train 34 in. long · Twelve 5100 curved track sections and six 5106 straight sections, including feeder section.

3135

A 30 VA transformer is required for the train 3214 (see page 45) · A 16 VA transformer is ample for running the 3230 and 3135 trains (see page 45), but a 30 VA transformer is advisable if trains are to light up.

Tracks but without Transformers

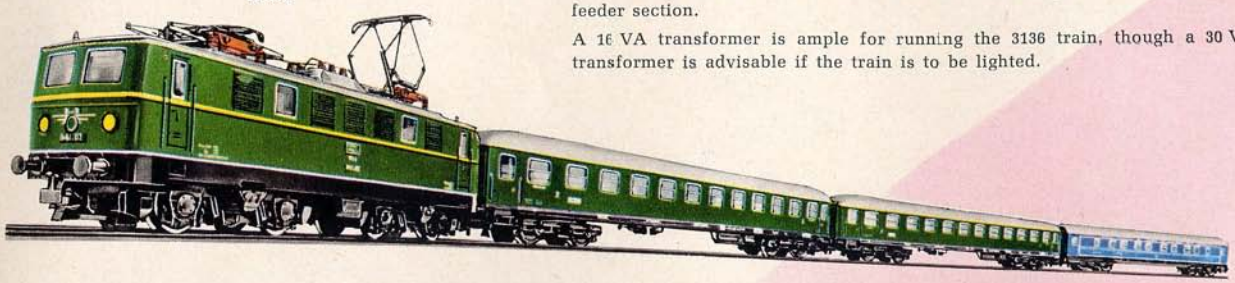
Austrian Express Train

3136 $ 39.95

Austrian Express Train (without transformer) · Locomotive 3036 with two 4033 express passenger coaches and 4029 sleeping car · Train 37 in. long · Twelve 5100 curved track sections and six 5106 straight sections, including feeder section.

A 16 VA transformer is ample for running the 3136 train, though a 30 VA transformer is advisable if the train is to be lighted.

3136



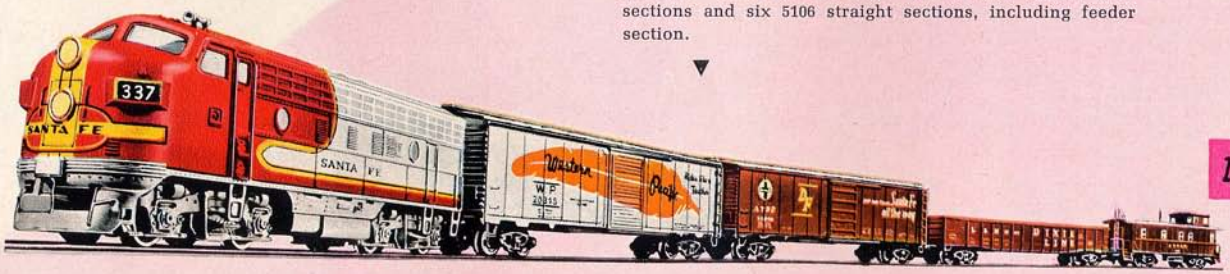
New

American Freight Trains

3160 $ 39.95

American Freight Train (without transformer) · Locomotive 3060, 4570 caboose, 4571 and 4572 box cars and 4575 gondola · Train 36¼ in. long · Twelve 5100 curved track sections and six 5106 straight sections, including feeder section.

3160

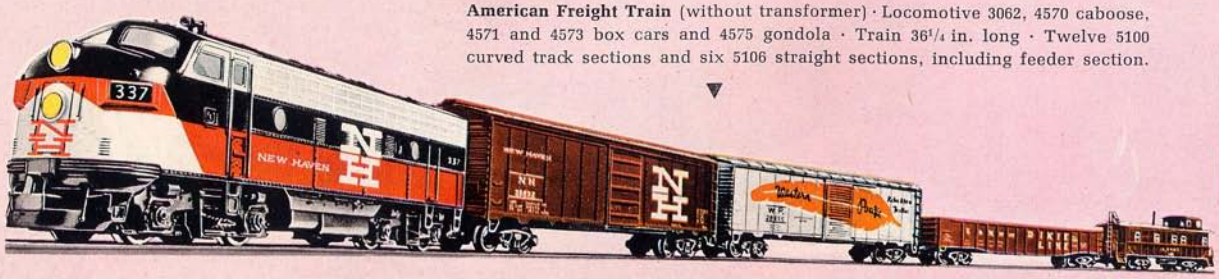


New

3162 $ 39.95

American Freight Train (without transformer) · Locomotive 3062, 4570 caboose, 4571 and 4573 box cars and 4575 gondola · Train 36¼ in. long · Twelve 5100 curved track sections and six 5106 straight sections, including feeder section.

3162



New

A 16 VA transformer (see page 45) is ample for running the 3160 and 3162 trains.

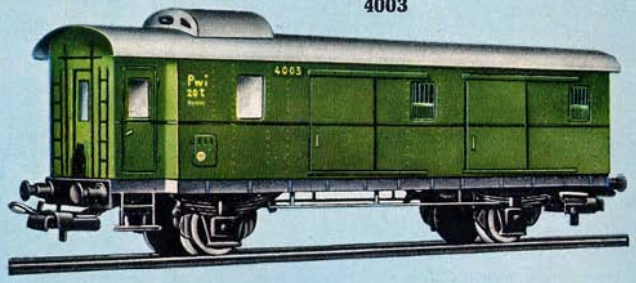
Passenger Coaches of finely-printed sheet steel -

4041

4041 $ 3.70
Luggage Van, as 4003, but with tail lights and current collector shoe.

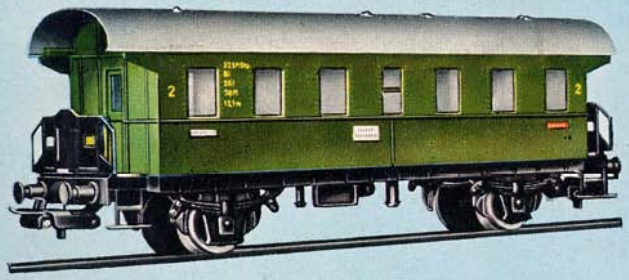
Standard type of coach with all details shown · Arranged for fitting interior lighting; windows glazed with cellon · Dark green with grey roof · Numerous inscriptions · Coach 5³/₈ in. long over buffers.

4003



4003 $ 2.70
Luggage Van with sliding doors both sides and roof lookout for guard's compartment.

4002

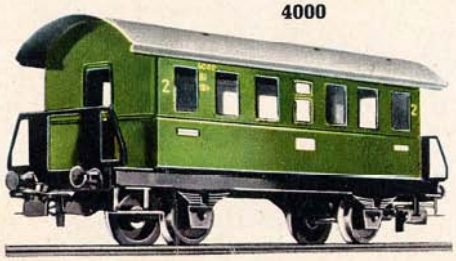


4002 $ 2.70
Passenger Coach with platforms and entrances both ends.

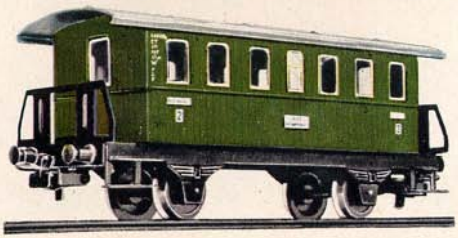
4000 $ 1.50
Passenger Coach with platforms and entrances both ends · Dark green with grey roof · 4⁵/₈ in. long over buffers.

4040 $ 1.20
Passenger Coach, four-wheeled, with platforms and entrances both ends · Open windows · Coach body green, silver-grey roof · 4¹/₂ in. long over buffers.
This 4040 passenger carriage is a type that goes particularly well with the 3029 tank engine, and a train made up with these units brings back to mind the railways' period of romance at the turn of the century.

4000



4040



MÄRKLIN

MÄRKLIN

4004

4004 $ 4.50
Compartment Coach without brakesman's cabin, otherwise as 4005.

4005

4005 $ 5.30
Compartment Coach with brakesmann's cabin, six-wheeled, with the sides divided up into six compartments · Arranged for fitting interior lighting · Dark green, with grey roof; numerous inscriptions · Coach 5¼ in. long over buffers.

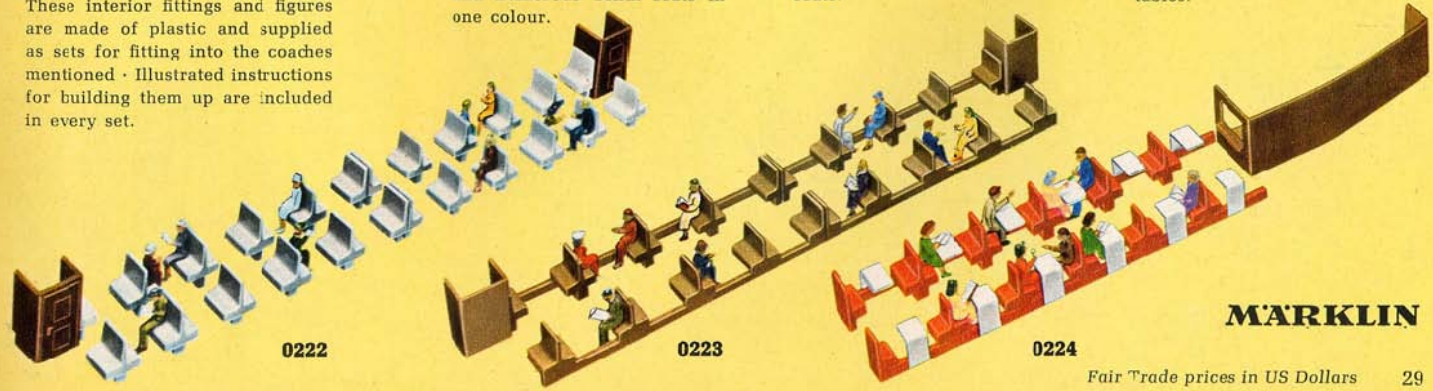
Interior fittings and figures for the 4022, 4023, 4024, 4027, 4030, 4031, 4033, 4036 and 4037 coaches

These interior fittings and figures are made of plastic and supplied as sets for fitting into the coaches mentioned · Illustrated instructions for building them up are included in every set.

0222 $ 3.20
Set of interior fittings and figures for the 4022, 4030, 4031, 4033, 4036, and 4037 coaches, with ten multi-coloured figures and numerous bench seats in one colour.

0223 $ 3.20
Set of interior fittings and figures for the 4023 and 4027 coaches, with ten multi-coloured figures and numerous bench seats.

0224 $ 3.30
Set of interior fittings and figures for the 4024 dining car, with nine multi-coloured figures, red bench seats and white tables.



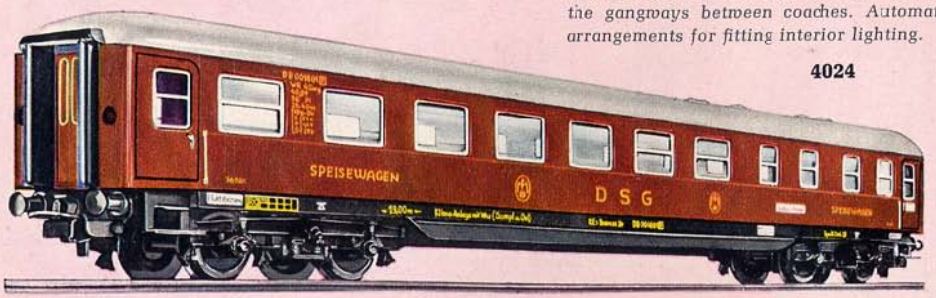
0222 0223 0224

MÄRKLIN

German Federal Railways' Express Coaches

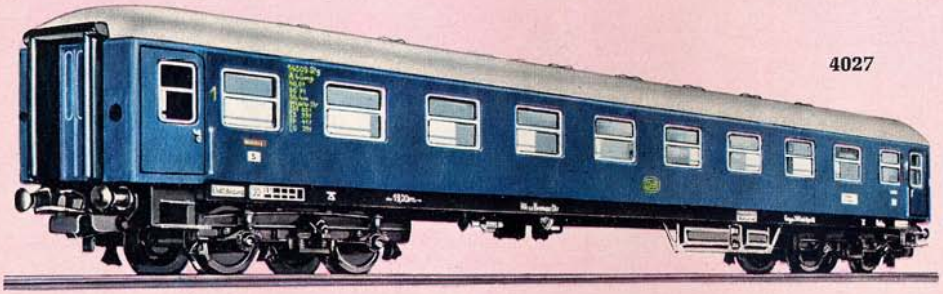
These model express coaches are reproductions of the originals on the German Federal Railways, with lettering, inscriptions and colours all true to the full-sized ones. The bogies have movable bolsters to compensate for unevenness on the track. Simulated rubber beadings for the gangways between coaches. Automatic couplings with the "Advance" uncoupler and arrangements for fitting interior lighting.

4024



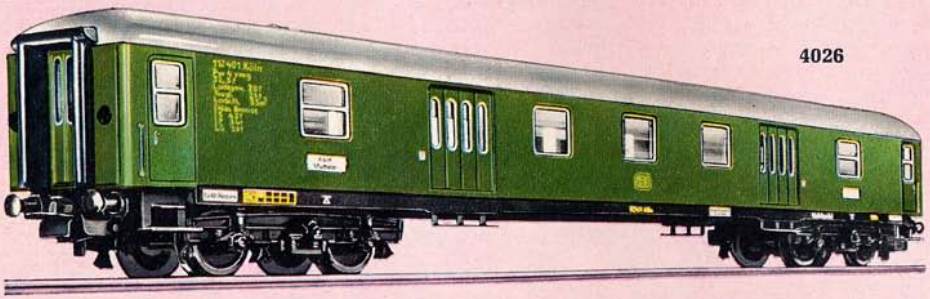
4024 $ 4.50
Express Dining Car, modelled on the German Sleeping Car Company's stock (DSG – Deutsche Schlafwagen-Gesellschaft) · Eight-wheeled, detachable roof, open windows with cellon glazing · Wine red with silver roof, ivory lettering · 9½ in. long over buffers.

4027



4027 $ 4.50
First Class Express Coach, modelled on the German Federal Railways' stock · Eight-wheeled, detachable roof, open windows with cellon glazing · Blue, with silver roof · 9½ in. long over buffers

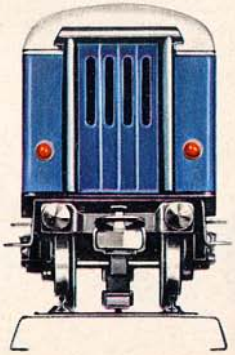
4026



4026 $ 4.50
Express Luggage Van, modelled on the German Federal Railways' stock · Eight-wheeled, detachable roof, open windows with cellon glazing · Dark green, silver roof, ivory lettering · 9½ in. long over buffers.

4032 $ 5.70
First Class Express Coach, as 4027, but with tail lights and current collector shoe.

4032 ▶



4029 $ 4.50

Express Sleeping Car, modelled on the International Sleeping Car Company's stock (ISC — Internationale Schlafwagen-Gesellschaft) · Eight-wheeled, detachable roof, open windows glazed with cellon · Blue, with silver roof · Inscriptions and lettering true to the original · Imitation concertina connections at ends · 9½ in. long.

4023 $ 4.50

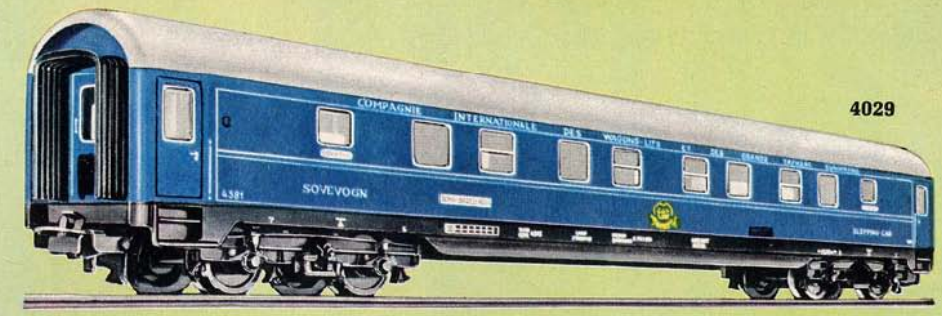
Express Coach, modelled on the German Federal Railways' stock · Eight-wheeled, detachable roof, open windows glazed with cellon · Dark green, silver roof; 9½ in. long over buffers.

4022 $ 4.50

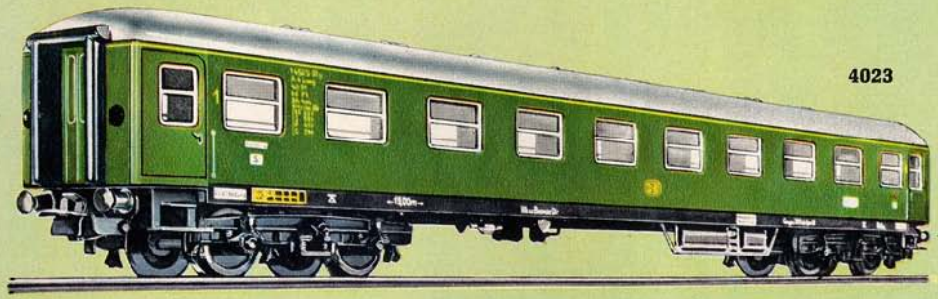
Second Class Express Coach, modelled on the German Federal Railways' stock · Eight-wheeled, detachable roof, open windows, glazed with cellon · Dark green, with silver roof · 9½ in. long over buffers.

4037 $ 3.70

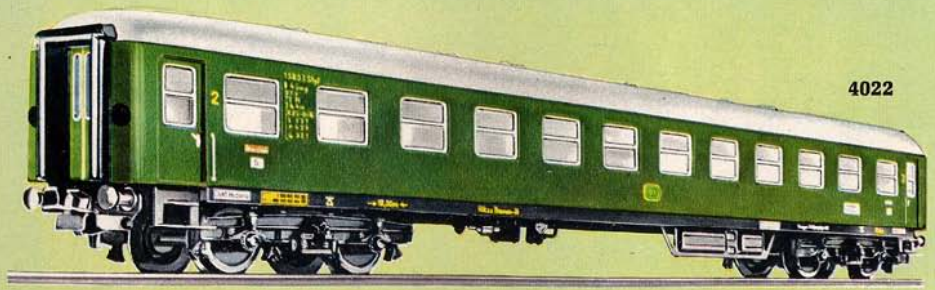
Second Class Express Coach, modelled on the German Federal Railways' earlier type · Eight-wheeled, detachable roof, open windows, glazed with cellon · Green, with grey roof · Imitation concertina connections at ends · 8¾ in. long.



4029



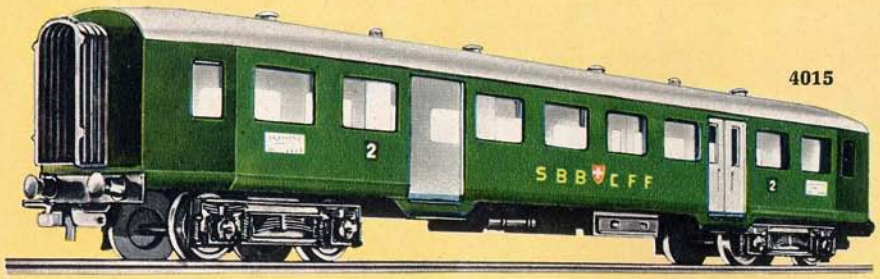
4023

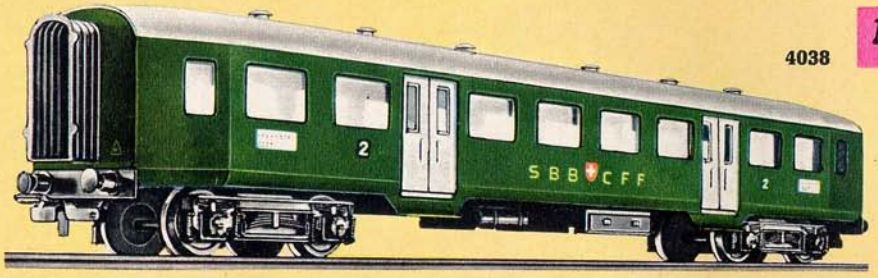


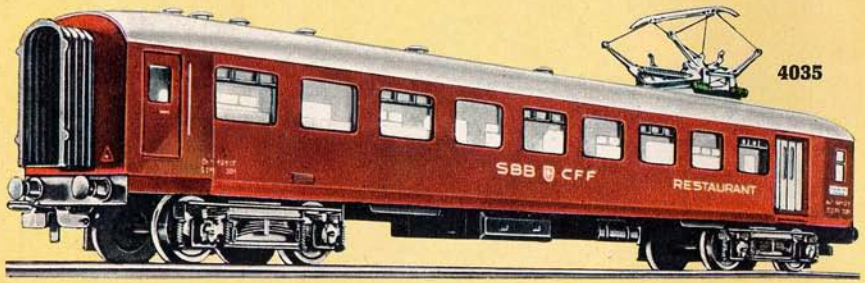
4022

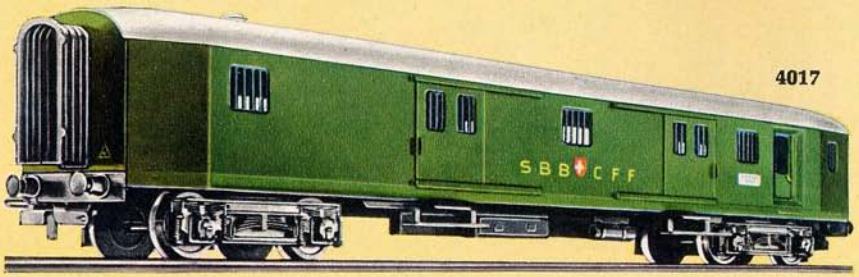
4037

Swiss Federal Railways' Lightweight all-metal Express Coaches









All-metal coaches

4015 $ 6.50

Lightweight Express Coach · Eight-wheeled, modelled on the Swiss Federal Railways' stock (SBB—Schweizerische Bundesbahnen) · Bogies with movable bolsters to compensate for unevenness in the track · Two double sliding doors each side, opened and closed by turning a knob on the roof · Windows glazed with cellon · Numerous details reproduced (concertina connections, footboards, battery boxes), with inscriptions and lettering · Dark green, with silver-grey roof · 8³/₈ in. long over buffers

4038 $ 5.00

Lightweight Express Coach, eight-wheeled, modelled on the Swiss Federal Railways' stock (SBB—Schweizerische Bundesbahnen) · Bogies with movable bolsters · Open windows glazed with cellon · Concertina connections · Green, with silver-grey roof · 8³/₈ in. long over buffers

4035 $ 5.00

Restaurant Car, with current collector on roof that can be used for supplying the car lighting · Window and roof ventilators · Concertina connections · Frosted glass windows for kitchen compartment · Battery boxes · Wine red, silver-grey roof · 8³/₈ in. long over buffers · See page 52 for tail lights for this car

4017 $ 5.00

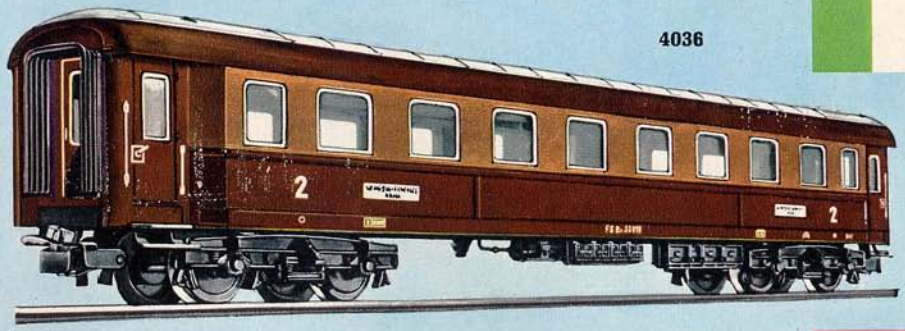
Luggage Van, with side sliding doors; barred windows, with numerous details · Dark green, silver-grey roof, yellow lettering and inscriptions · 8³/₈ in. long over buffers

All coaches on this page fitted with **automatic couplings** and arrangements for interior lighting (see page 52).

Italian State Railways' Passenger Coaches

4036 $ 3.70

Second Class Passenger Coach, modelled on the Italian State Railways' stock (FS – Ferrovie delle Stato) · Eight-wheeled · Detachable roof, open windows glazed with cellon · Brown and beige finish, with silver roof · Imitation concertina connections at ends · 8¾ in. long



Austrian Federal Railways' Express Coaches

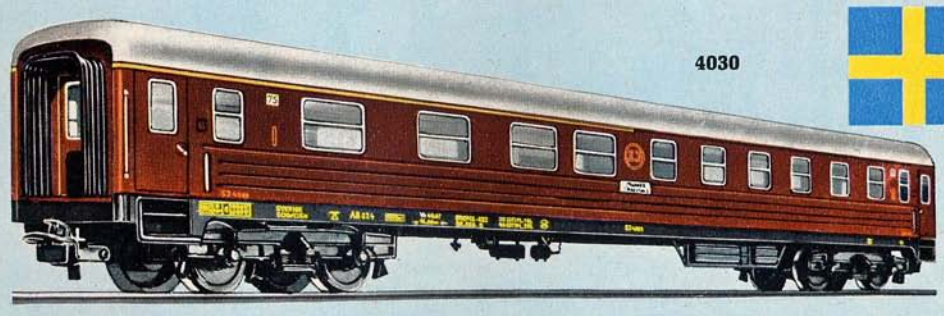
4033 $ 4.50

Second Class Express Coach, modelled on the Austrian Federal Railways' stock (ÖBB – Österreichische Bundesbahnen) · Eight-wheeled; detachable roof; open windows glazed with cellon · Green, with silver roof · 9½ in. long over buffers

Swedish State Railways' Express Coaches

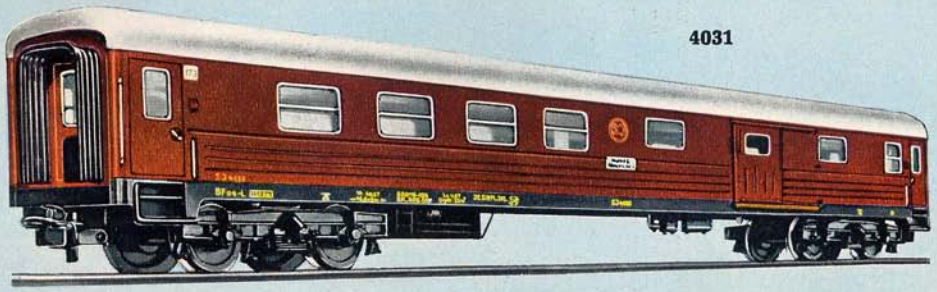
4030 $ 4.50

First and Second Class Composite Express Coach, modelled on the Swedish State Railways' stock (SJ – Statens Järnvägar) · Eight-wheeled; detachable roof; open windows, glazed with cellon · Brown with grey roof · Imitation concertina connections at both ends · 9½ in. long

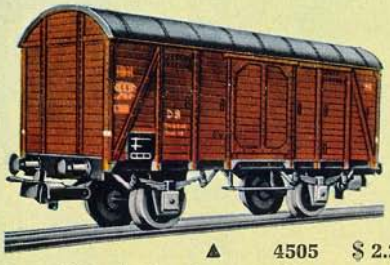


4031 $ 4.50

Express Composite Luggage Van with second-class compartment, modelled on the Swedish State Railways' stock · Eight-wheeled, detachable roof; two sliding doors; open windows glazed with cellon · Brown, with silver-grey roof · Imitation concertina connections at both ends · 9½ in. long

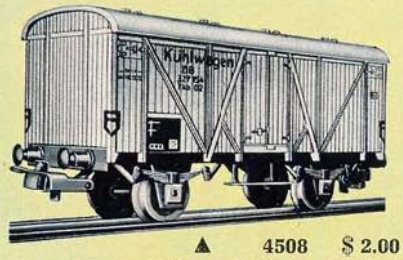


Goods Wagons with plastic bodywork, Automatic Couplings and the



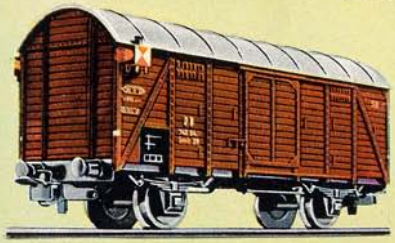
▲ **4505** $ 2.20

Covered Goods Van, brown, with grey roof · 4 in. long



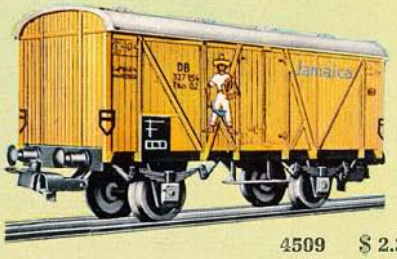
▲ **4508** $ 2.00

Refrigerated Goods Van · White, with black lettering · Roof with simulated fan openings · 4 in. long



4506 $ 3.70 ▲

Covered Goods Van · Brown, with grey roof · With finely modelled tail lamps mounted at the sides to light electrically, a collector shoe supplying the current · 4 in. long

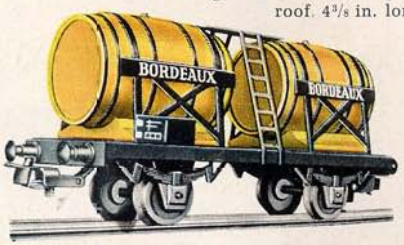


4509 $ 2.30

Banana Van, with the picture of a banana picker · Yellow, with blue lettering and white roof · 4 in. long

New **4550** $ 2.85

Covered Goods Van, modelled on the Italian State Railways' stock (FS – Ferrovie delle Stato) · Four-wheeled; detachable roof; windows with wire netting · Brown, silver-grey roof. 4 3/8 in. long

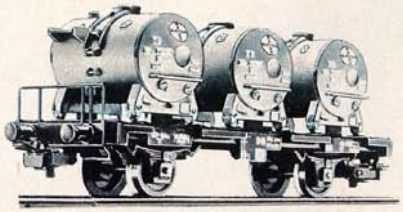


4510 $ 2.80 ▲

Wine Truck, with two barrels and step ladders both sides · Barrels light brown and lettered BORDEAUX · 4 in. long

4511 $ 3.00 ▲

Pulverised Coal Wagon · Two pulverised coal containers with fillers, finished aluminium colour and joined by a walkway with step ladders both sides · 4 in. long



4520 $ 3.00

Container Truck, loaded with three cylindrical containers marked BAYER · Silver containers, black underframe · 4 1/4 in. long

▲ **4524** $ 2.70

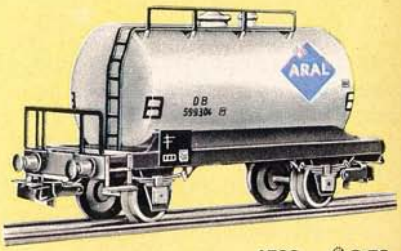
Petrol Tank Wagon, modelled on the Swedish State Railways' stock · Four-wheeled, aluminium colour, lettered "ESSO" · Walkway with ladder and filler · 4 in. long

▲ **4502** $ 2.70

Petrol Tank Wagon · Yellow, lettered "SHELL" · Walkway with ladder and filler · 4 in. long

▲ **4501** $ 2.70

Petrol Tank Wagon · Aluminium colour, lettered "ESSO" · Walkway with ladder and filler 4 in. long



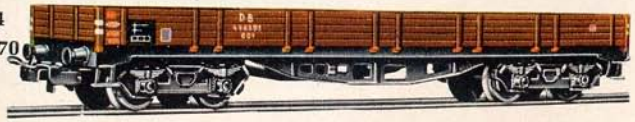
4500 $ 2.70

Petrol Tank Wagon · Aluminium colour, lettered "ARAL", walkway with ladder and filler · 4 in. long

"Advance" Uncoupler (See page 36)

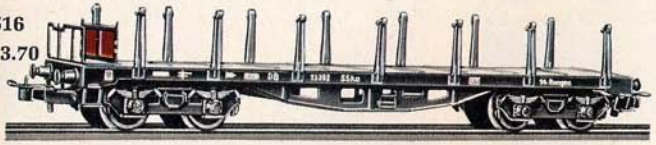
The wagons on pages 34 and 35 have sheet steel frames with plastic bodywork (except 4512 and 4516). Wheels are metal die castings. The lengths given are measured over the buffers.

4514
$ 2.70



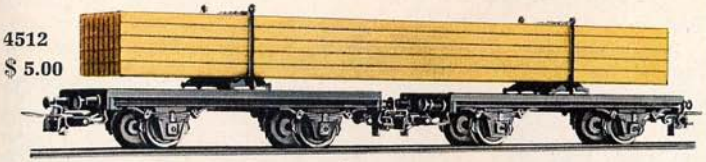
Low-sided Truck · Brown, eight-wheeled · Without "Advance" uncoupler · 7¼ in. long ▲

4516
$ 3.70



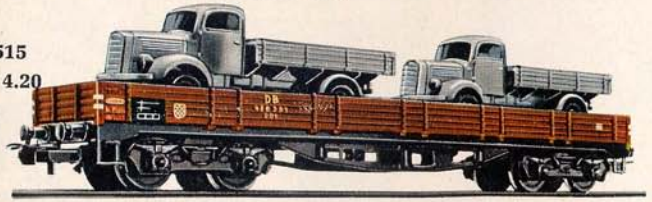
Stanchion Truck · Eight-wheeled · Sheet steel body · Without "Advance" uncoupler · 7¼ in. long ▲

4512
$ 5.00



Baulk Timber Truck, carrying baulks of timber · An all-metal truck, finished black · In two parts · 7⅝ in. long ▲

4515
$ 4.20



Low-sided Truck, brown, eight-wheeled, loaded with two lorries · Without "Advance" uncoupler · 7¼ in. long ▲

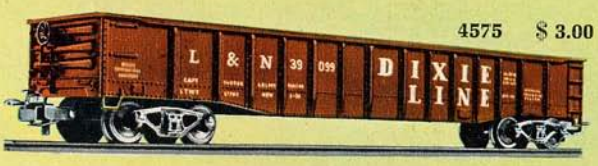
4517
$ 3.70

Tilt Truck · Brown, eight-wheeled, with white tilt; without uncoupler · 7¼ in. long

Fair Trade prices in US Dollars

◀ **New**

4570 $ 3.95
Freight Train Caboose, American model, eight-wheeled, with roof walkway · Brown, silver-grey roof · 5⅞ in. long

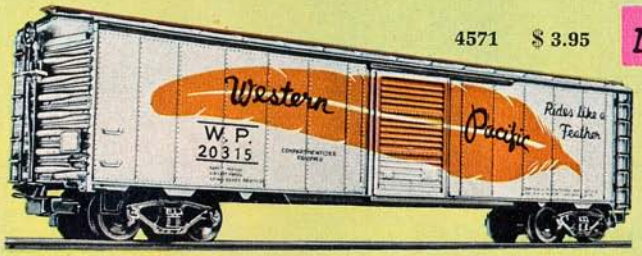


New

4575 $ 3.00

▲

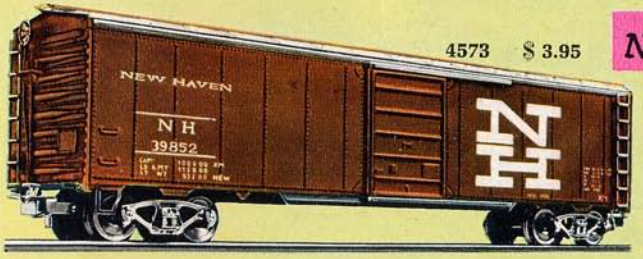
Gondola, Dixie Line model, eight-wheeled · Bogies with movable bolsters · Plastic bodywork · Brown · 7⅞ in. long



New

4571 $ 3.95

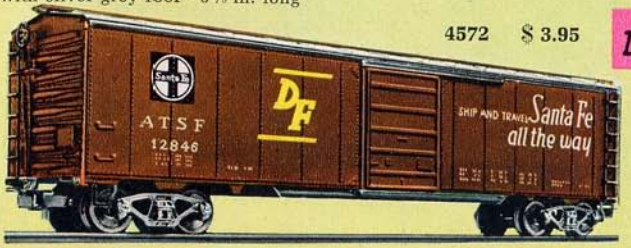
Box Car · Western Pacific Railroad model · Eight-wheeled, bogies with movable bolsters · Detachable roof with walkway · Doors both sides to open · Silver grey · 8⅛ in. long



New

4573 $ 3.95

Box Car, New Haven Railroad model · Eight-wheeled · Bogies with movable bolsters · Detachable roof with walkway · Doors both sides to open · Brown, with silver-grey roof · 8⅛ in. long



New

4572 $ 3.95

Box Car, Santa Fé Railroad model · Eight-wheeled · Bogies with movable bolsters · Detachable roof with walkway · Doors both sides to open · Brown, with silver-grey roof · 8⅛ in. long

Model Goods Wagons

with Automatic Couplings and the "Advance" Uncoupler

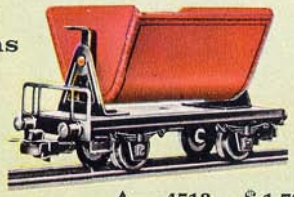
The wagon underframes are pressure-cast zinc-base castings and the bodies are plastic material. All details are reproduced in special scale-model style, and the wagons run very easily. With the "Advance" uncoupling device the couplings remain disengaged even after the uncoupling rail section has released them, and this can also be done on a marshalling hump upgrade. With this device, the wagons do not re-engage and they can be shunted at any place on the system desired. All wagons with the "Advance" uncoupler can be coupled to wagons without the device without any difficulty.

4600 $ 3.70

Luggage Van (DB-Pwg – for goods trains) · Green with grey roof · Sliding doors on both sides · 3½ in. long

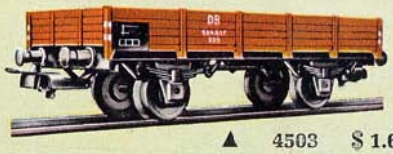
Goods Wagons

to the pages 34/35 ▼



▲ **4513** $ 1.70

Tipping Truck · Red · To discharge either side · With locking device · 3⅜ in. long



▲ **4503** $ 1.60

Low-sided Truck · Brown · 4 in. long

4504 $ 2.00

▲

Low-sided Truck · Brown, loaded with miniature car · 4 in. long

4603 $ 3.70

▲ **Open Goods Truck** (German Federal Railways' Omm 52 type) · With detachable imitation load representing stone · 4½ in. long

4604 $ 3.70 ▲

Open Goods Truck (German Federal Railways' Omm 52 type) · Brown, with detachable imitation load of coal · 4⅝ in. long

4606 $ 3.20 ▶

Low-sided Truck (German Federal Railways' Rmms 33 type) · Brown · 5¼ in. long

4601 $ 3.70 ▼

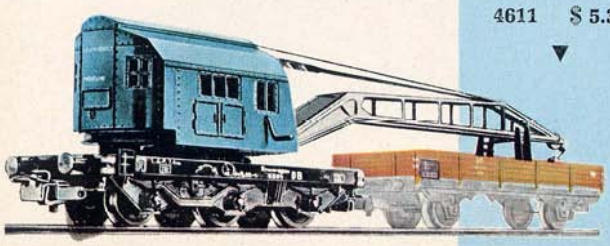
Open Goods Truck with brakesman's cabin (German Federal Railways' Omm 33 type) · Brown · 4⅝ in. long

4602 $ 3.20 ▼

Open Goods Truck (German Federal Railways' Omm 52 type) · Brown · 4⅝ in. long

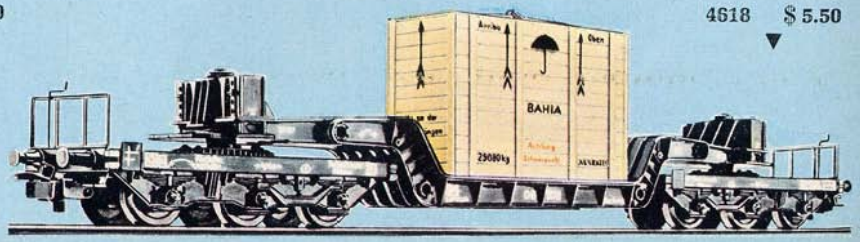
Crane Truck, with slewing crane, movable jib and jib support · Crank handle for raising and lowering crane hook · Black underframe, light blue crane, silver jib · Underframe 3⅝ in. long · (The low-sided truck is not included in the price)

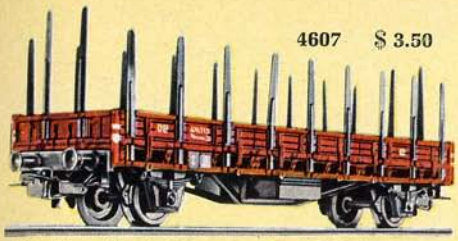
4611 $ 5.30 ▼



Well Wagon, twelve-wheeled, loaded with a packing case · Black, with wood-coloured case · 10 in. long

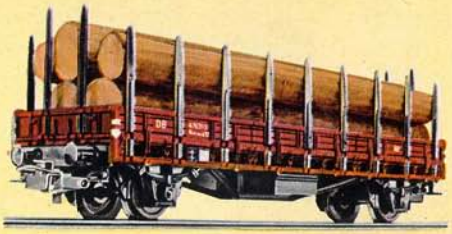
4618 $ 5.50 ▼





4607 $ 3.50

Stanchion Truck (German Federal Railways' Rmms 33 type) · With detachable stanchions that can be carried in a sliding case beneath the floor of the truck · Brown · 5¼ in. long

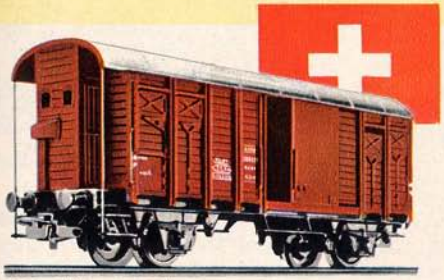


4608 $ 4.00 ▲

Rough Timber Wagon, loaded with tree trunks · (German Federal Railways' Rmms 33 type) · Detachable stanchions · Brown · 5¼ in. long

4610 $ 4.00 ▲

Ballast Truck with discharging doors operated by a crank handle · Brown · 3¾ in. long



4605 $ 3.70 ▲

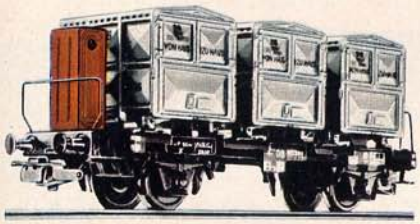
Goods Van with brakesman's cabin (Swiss Federal Railways' SBB-K³ type) · Brown, with silver roof · Doors to open both sides · 4⅜ in. long

4612 $ 4.00 ▲

Motor Car Transporter Wagon with loading ramp · Not loaded · Brown, with black ramp · 4⅝ in. long · (On the German Federal Railways two of these transporters are always used together as a unit which is then described as the Off 52 type).

4613 $ 5.50 ▲

Motor Car Transporter Wagon with loading ramp · Loaded with miniature cars · Brown, with black ramp · 4⅝ in. long.



4614 $ 4.70 ▲

Container Wagon, with brakesman's cabin, loaded with three box-type containers · Silver containers, black underframe · 4⅜ in. long

4616 $ 3.50 ▲

Low-sided Truck (German Federal Railways' Rmms 33 type), loaded with Mannesmann pipe · Brown, black pipe with yellow lettering · 5¼ in. long

4619 $ 3.00 *New*

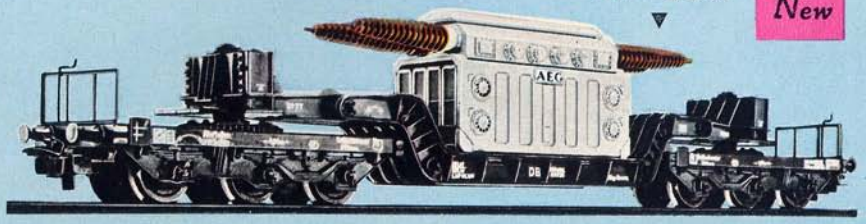
Sliding Roof Wagon (German Federal Railways' Kmmks 51 type) · Four-wheeled, a scale model of the type with halves of the roof sliding up to open · Brown, with silver roof · 4½ in. long

4609 $ 4.00 ▼

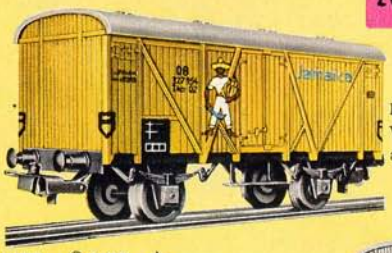
Tilt Truck (German Federal Railways' Rmms 33 type) · Brown, with white tilt · 5¼ in. long

Well Wagon, twelve-wheeled, loaded with a transformer · Black, grey transformer · 10 in. long

4617 $ 5.50 ▼ *New*



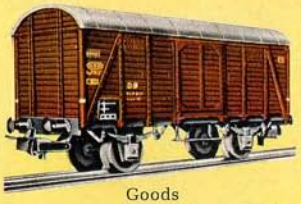
New



Banana Van 4909 assembled

4909 $ 1.85 ▲

Banana Van Kit · Containing all parts required for building the banana van · Illustrated instructions are included.



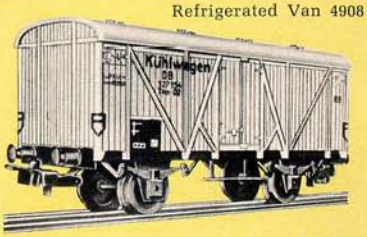
Goods Van 4905 assembled

◀ 4905 $ 1.75

Goods Van Kit · Containing all parts required for building the goods van · Illustrated instructions are included.

Pulverised Brown Coal Truck 4911 assembled

Refrigerated Van 4908 assembled



▲ 4908 $ 1.60

Refrigerated Van Kit · Containing all parts required for building the refrigerated van · Illustrated instructions are included.

4911 $ 2.00 ▲

Pulverised Brown Coal Truck Kit · Containing all parts required for building the pulverised brown coal truck · Illustrated instructions are included.

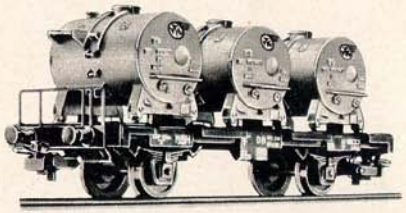
Open Goods Truck 4903 assembled

▲ 4903 $ 1.20

Open Goods Truck Kit · Containing all parts required for building an open goods truck · Illustrated instructions are included.

New

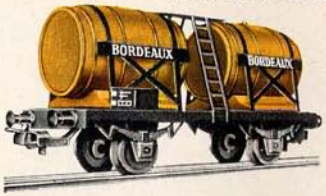
Container Wagon 4920 assembled



4920 $ 2.35 ▲

Container Wagon Kit · Containing all parts required for building a container wagon · Illustrated instructions are included.

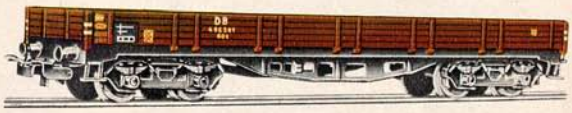
Wine Truck 4910 assembled



▲ 4910 $ 2.00

Wine Truck Kit · Containing all parts required for building the wine truck · Illustrated instructions are included.

Low-sided Truck 4914 assembled



4914 $ 2.20 ▲

Low-sided Truck Kit · Containing all parts required for building a low-sided truck · Illustrated instructions are included.

New

Low sided Truck 4904 assembled, with car

▲ 4904 $ 1.60

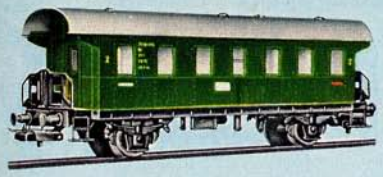
Low-sided Truck Kit, with Miniature Car · Containing all parts required for building this low-sided truck · Illustrated instructions are included.

B. P. Petrol Tank Wagon 4900 assembled

◀ 4900 $ 1.85

B. P. Tank Wagon Kit · Containing all parts required for building this B. P. Petrol Tank Wagon · Illustrated instructions are included.

Fair Trade prices in US Dollars



4802 $ 1.85
Passenger Coach Kit · Containing all parts required for building a passenger coach · Illustrated instructions are included.

Passenger coach 4802 assembled

These kits provide opportunity for building one's own rolling stock. The transfers required in each case are supplied with the kits, as also are automatic couplings with the "Advance" uncoupler (with the exception of 4914). The only tools needed for assembling these sets are a screwdriver and a pair of flat-nosed pliers.

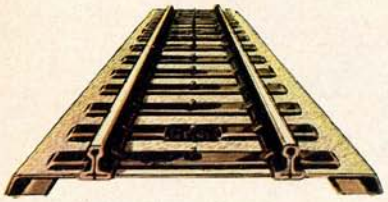
MÄRKLIN Kits for building rolling stock

True leisure is to use time for one's own enjoyment and benefit, and this is just what a MÄRKLIN Building Kit helps you to do, so that every day may be the key to real pleasure.

Leisure really becomes relaxation with a MÄRKLIN building kit.

Fair Trade prices in US Dollars

MÄRKLIN Tracks with Stud Contacts



We recommend the Group 5100 track for building up a new system. This is an all-metal track with hollow-section rails and the centre contact in the form of studs giving, with the fine stamped imitation ballast, a track that very closely approximates to the real thing. Twelve of these 5100 track sections form a circle approximately 30 in. in diameter, including the ballast (see Table on Page 43). Contact tongues safe from short-circuiting ensure reliable passage for the current. For fixing track sections to a baseboard we recommend countersunk wood screws that we can supply under Order No. 60 125.

5120 $ .40

Curved Track Section, 8 7/8 in. long · Branch lines and Works tracks of small radius can be built with the 5120 track sections, the diameter of the circle they form being 24 in., eight sections being required for the circle · The 5120 track sections are the same type as the 5100 sections · Just as on full-sized railways, only the smaller types of locomotives and rolling stock can be used for branch line traffic, owing to the smaller radius of the curved sections.

5100 $ .30

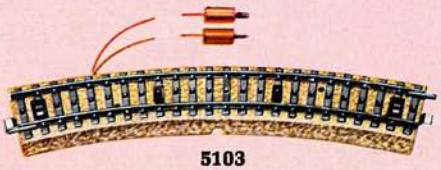
Curved Track Section, full length, 7 1/2 in. long

5101 $ .25

Curved Track Section, half-length, 3 3/4 in. long

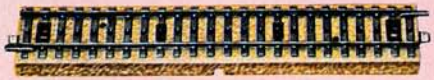
5102 $ .25

Curved Track Section, quarter length, 1 7/8 in. long



5103

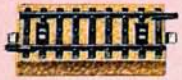
5106 $ .30



Straight Track Section, full length, 7 in. long

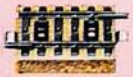
5107 $ .25

Straight Track Section, half-length, 3 1/2 in. long



5129 $ .25

Straight Make-up Section, 2 3/4 in. long



5108 $ .25

Straight Track Section, quarter-length, 1 3/4 in. long

5109 $ .25

Straight Track Section, 3/16ths length, 1 5/16 in. long

5110 $ .25

Straight Track Section, 1/8th length, 7/8 in. long

5103 $ .95

Current Feeder Section, curved, with two connecting cables

5111 $ .95

Current Feeder Section, straight, with two connecting cables

5130 $ 1.20

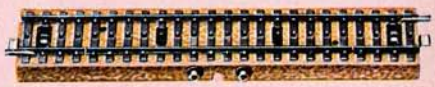
Curved Track Section with Radio Suppressor, full length, 7 1/2 in. long · To prevent any interference with radio that may occur with conditions unfavourable for reception in the medium and long-wave bands.

5114 $ 2.20

Crossing, 7 9/16 in. long

5105 **Track Contact Section,** straight $ .95

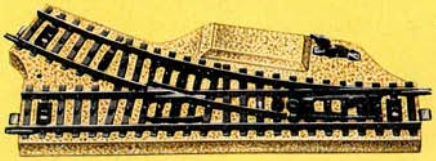
5104 **Track Contact Section,** curved $ .95



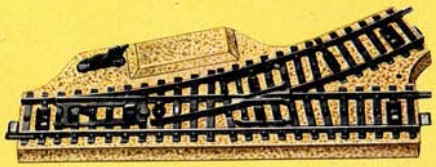
These track contact sections are for operating points, signals etc. from a distance.

MÄRKLIN

Pair of Points for Hand Operation



5121

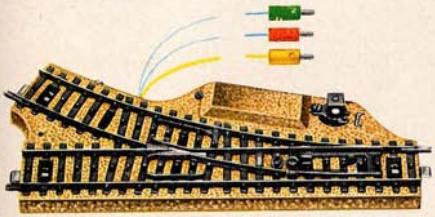


5121 $ 4.00
Pair of Points for Hand Operation, with crossing frogs, guard rails etc., also spring tongues · Track sizes are the same as for 5117.

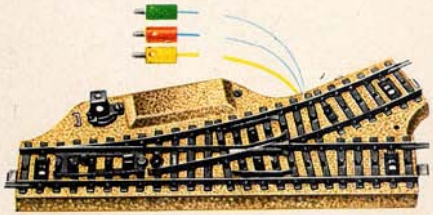
Electro-magnetic Points

with remote-controlled double solenoid Operation

The 5117 electro-magnetic points and 5128 double-slip points are fitted with double-solenoid operation. Signal lamps to light up show the setting of the points tongues at all times. Derailments cannot occur if the points should be forced or burst open, the tongues automatically returning to their original position.

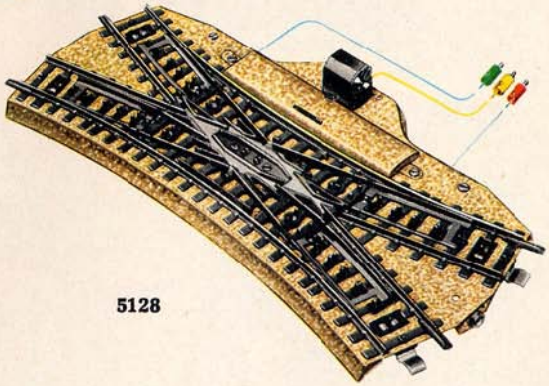


5117



MÄRKLIN

5117 $ 9.30
Pair of Electro-magnetic Points, one right-hand and one left-hand, both worked by double solenoids · Small scale-model indicator lamps to light up · Points have crossing frogs, guard rails and so on, also spring tongues · Three connecting cables to each · Track lengths are the same as the 5100 and 5106 track sections.



5128

5128 $ 8.80
Double-slip Points with a 30° crossing angle, operated by double solenoid · Electric signal lamps change their indications according to the settings of the tongues (i. e., for crossing or diversion) · Three connecting cables · Hand lever provides manual control · Straight tracks $7^{9}/_{16}$ in. long, curved tracks, $7^{1}/_{2}$ in. long.

At least four electro-magnetic accessories can be connected to one control panel (see page 50).

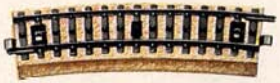
Tracks for Parallel Circuits

Track sections of the 5200 Group are intended for extending a railway system already in existence and made up of sections of the 5100 Group.

Twelve track sections make a circle 36 in. diameter (including embankment). The curved sections of the 5200 Group enable a parallel or concentric circle to be built, the shortened 5202 points providing a crossover from the inner to the outer circle. The spacing between the tracks, measured from centre to centre of the stud contacts, is then 3 in., giving a free space– the "six-foot way"–of 1 5/8 in. between the two tracks.

5200 $ .40
Curved Track Section, full length, 9 in. long

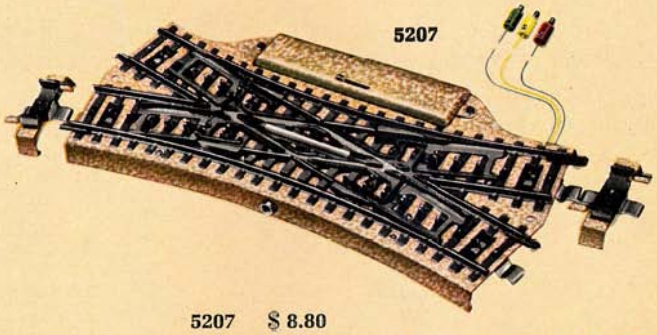
5206 $ .40
Curved Track Section, five-sixths length, 7 1/4 in. long



5201 $ .35
Curved Track Section, half-length, 4 1/2 in. long

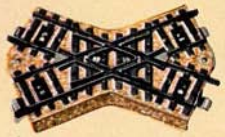
5205 $ .30
Curved Track Section, one-sixth length, 1 1/4 in. long

5210 $ .25
Straight Make-up Section, 5/8 in. long



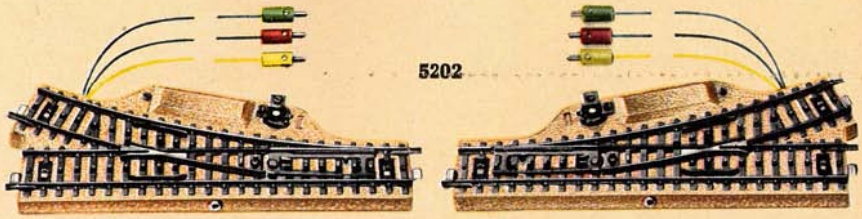
5207

5207 $ 8.80
Double Slip Points · Used together with the 5202 pair of points, the 3 in. track spacing can be retained · Double solenoid operation with a manual lever on the operating box · Three connecting cables · Straight tracks 7 in. long; two 5200 make-up sections each 5/16 in. long, are included.



5211 $ 1.75
Crossing, angle 48 1/2°, 3 7/8 in. long

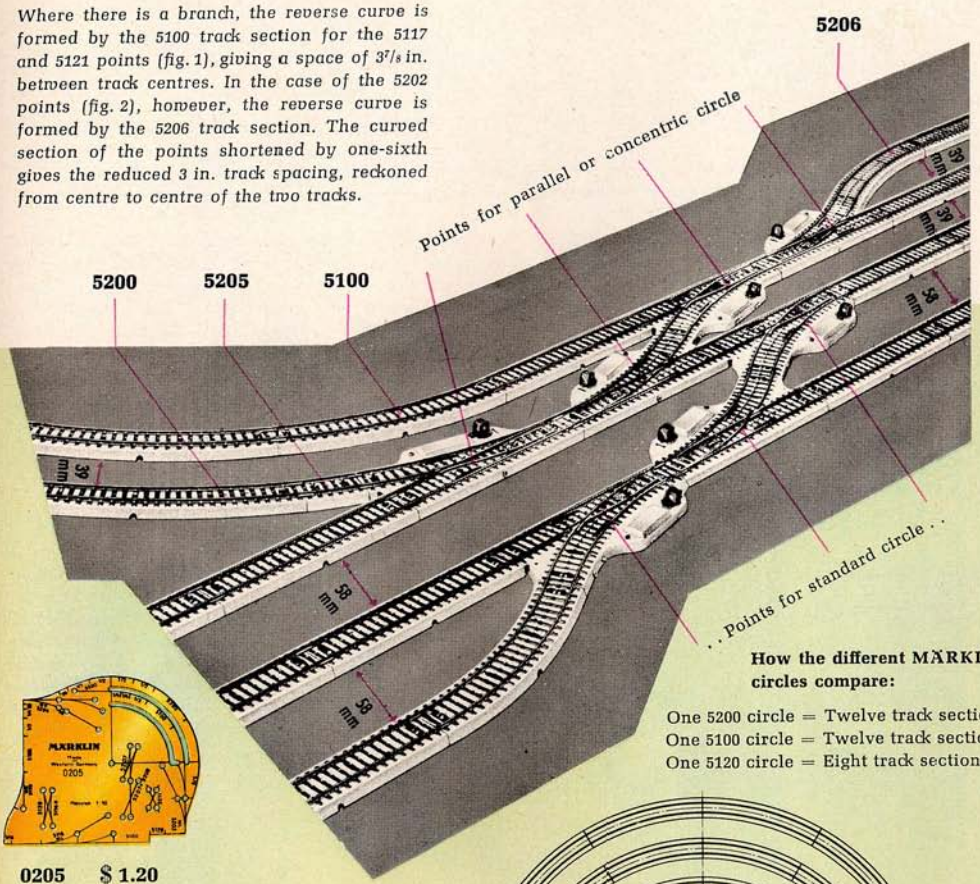
5202 $ 9.95
Pair of Electro-magnetic Points, consisting of one right-hand and one left-hand point, both with double-solenoid operation · Signal lanterns to light up · Curved section five-sixths the length of the straight one.



5202

MÄRKLIN Points and their Use

Where there is a branch, the reverse curve is formed by the 5100 track section for the 5117 and 5121 points (fig. 1), giving a space of 3⁷/₈ in. between track centres. In the case of the 5202 points (fig. 2), however, the reverse curve is formed by the 5206 track section. The curved section of the points shortened by one-sixth gives the reduced 3 in. track spacing, reckoned from centre to centre of the two tracks.



0205 $ 1.20

Track Plan Drawing Template, transparent plastic, for designing track plans for track sections of the 5100 and 5200 Groups (Scale, one-tenth).

Fig. 1

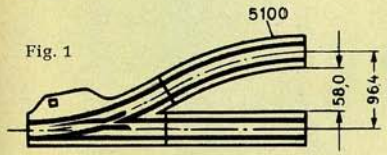
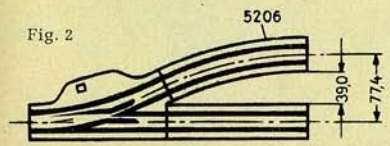
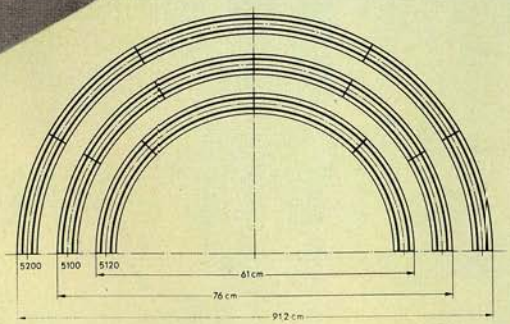


Fig. 2



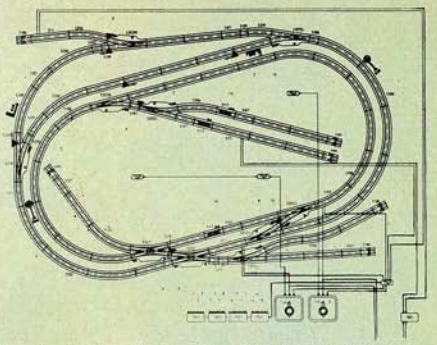
How the different MÄRKLIN circles compare:

One 5200 circle = Twelve track sections
One 5100 circle = Twelve track sections
One 5120 circle = Eight track sections

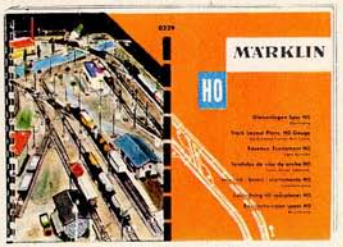


0321 $ .50 ▶

Booklet: "MÄRKLIN H0 Gauge Railway Plans", containing sixteen simple plans for the 5100 and 5200 track sections · Size 8¼ in. by 6 in., twenty-four pages.

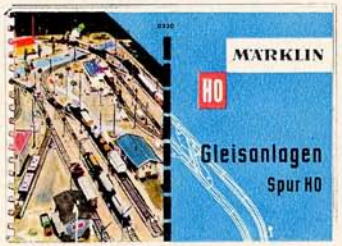


The track plan below is example No. 6 from the booklet as above.



0329 $ 1.70 ▲

"Overhead Contact Wire System for MÄRKLIN Track Layouts for the H0 Gauge." · Containing plans for overhead contact wire systems for the track layouts given in the 0331 Booklet · The overhead wire plans are printed in colours on transparent sheets that fit exactly over the layout plans in the 0331 Booklet · Size 11³/₄ in. by 8¼ in., twenty pages.



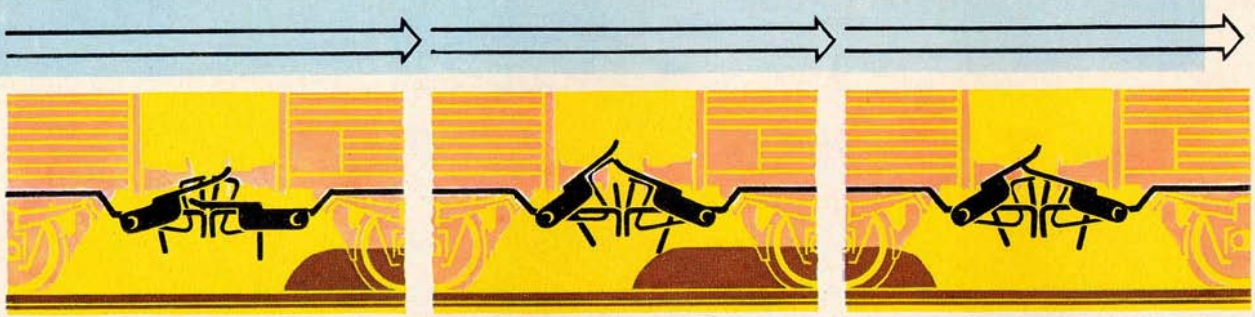
0331 $ 2.20 ▲

Booklet: "MÄRKLIN Track Layouts for the H0 Gauge", containing plans for 5100 and 5200 track sections, as well as a List of Parts for working by an overhead contact wire · The connections and wiring are carefully shown · Illustrated edition in six colours, 11³/₄ in. by 8¼ in., 68 pages.

The Remote-controlled Uncoupling System

Raising the operating ramp releases the coupling.

With this design of coupling a train can still be shunted after the uncoupling track section has acted, without the couplings re-engaging.



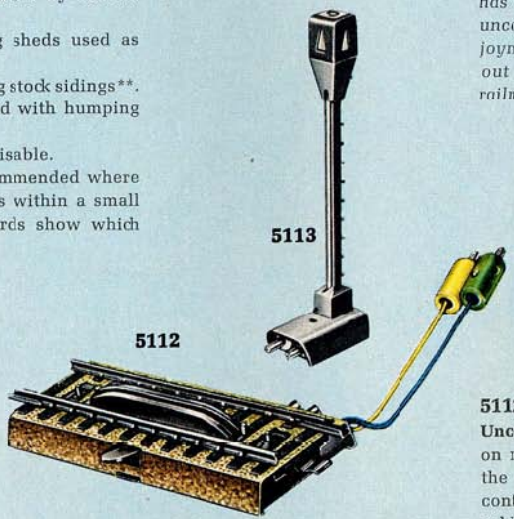
The uncoupling track unit can be used in lots of ways:

On a marshalling hump in conjunction with a humping signal 7043 (page 46)*.
On platform tracks for changing locomotives by remote control**.
In parts of locomotive depots or running sheds used as rolling stock sidings**.
In parts of marshalling yards used as rolling stock sidings**.

* Lighting standard 5113 must not be used with humping signal 7043.

** Using the 5113 lighting standard is advisable. Using the lighting standard is always recommended where there are several uncoupling track sections within a small space, as the light signals on the standards show which uncoupling track section is in action.

MÄRKLIN Locomotives and rolling stock are fitted with automatic couplings, mostly equipped for the "Advance" uncoupling system, all these couplings being made to uncouple by remote control through the track uncoupling section. Pressing the knob on the control panel is all that need be done to uncouple. Couplings with the "Advance" uncoupler also allow trains to be shunted further after the uncoupling track section has acted, without the couplings re-engaging. The MÄRKLIN uncoupling system will therefore provide a great deal of enjoyment by enabling all shunting manoeuvres to be carried out without difficulty in the same way as on a full-sized railway.



5113 $ 1.60
Lighting Standard for uncoupling track section · Zinc diecasting · The signal on the standard lights up when uncoupling · 3⅜ in. high.

5112 $ 2.40
Uncoupling Track Section for releasing automatic couplings on rolling stock by uncoupling ramps rising on either side of the centre stud contacts · Can be operated either from the control panel or by a hand control lever · Two connecting cables · Track 3⅜ in. long.

The Very Efficient MÄRKLIN Transformers

All MÄRKLIN Transformers have connections for providing current for the trains, lighting and magnetically-operated accessories.

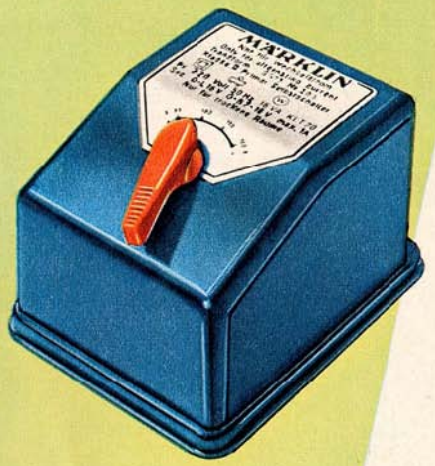
For connecting to alternating current (A.C.) supplies only

The steel casing of these transformers and their excellent insulation (tested to several thousand volts) prevents all possibility of accidental contact with the mains voltage side. These features of their construction together with their cut-out that operates automatically in the event of a short-circuit, are a guarantee for their safety in working. The mains connection is by a plug and cable permanently fixed to the transformer. Transformers can be supplied for 110, 125, 150 or 220 mains voltage, and the number shown against the voltage required must always be given when ordering.
The low-voltage current of transformers of the 6000 and 6100 Groups can be set on the speed-indicating scale: stepless speed control–without any special additional device–and reversing by the 24-volt "Perfect" control can be carried out by a combined controller.
Transformers of the 6100 Group give slower running than the 6000 Group ones.

Transformer, output 30 VA, with red pilot light; weight 4½ lbs., dimensions 5⅝ in. by 4¾ in. by 4 in.

◀ **6150** = 110 volts, **$ 21.95**

Please always state the number against the mains voltage when ordering.



▲

Transformer, output 16 VA; weight 3 lbs., dimensions 4¾ in. by 3¾ in. by 3 in.

6053 = 110 volts, **$ 10.95**

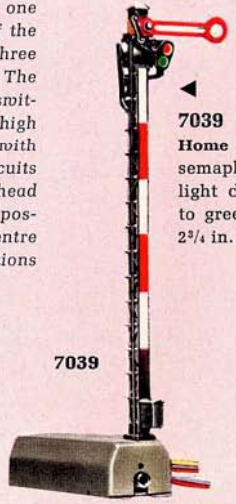
Please always state the number against the mains voltage when ordering.

For connecting to alternating current (A.C.) only

The transformers for the new train sets on page 22 are also fully self-contained units, having connections for track current, lighting and magnetically-operated accessories as well, just as all MÄRKLIN transformers have.

Signals with Train Control for Overhead Wire and Surface Contact Systems

The signals—home, stop and humping—are all fitted with track current switches providing train control for overhead wire and surface contact systems independently of one another. The electro-magnetic operating mechanism of the 7041 home signal and the 7043 humping signal has three solenoids while the remaining signals have two. The springs carrying the current on the traction current switches have silver contacts so as to cope with very high traction currents. Every signal has cable connections with cross-socket plugs marked with the colours for the circuits and for lighting. Two contact sockets for the overhead wire and one for the earth connection complete the possible electrical connections. Lighting is by bulbs. Centre conductor insulators 5022, baseplate and brief instructions are supplied with every signal.

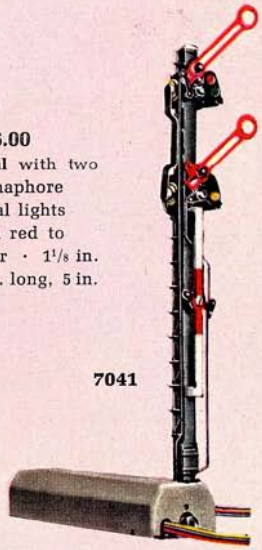


7039

◀ **7039 $ 5.30**
Home Signal with one semaphore arm · Signal light changes from red to green · 1¹/₈ in. wide, 2³/₄ in. long, 5 in. high.

7040

◀ **7040 $ 6.00**
Home Signal with two coupled semaphore arms · Signal lights change from red to green / amber · 1¹/₈ in. wide, 2³/₄ in. long, 5 in. high.



7041

7041 $ 7.80 ▲
Home Signal, with two independent semaphore arms Operation, connections and traction current control the same as with all train control signals, though with an extra third solenoid · Current returns by an additional blue cable with orange cross-connection plugs · Three signal indications can be given through coupling the two armatures together mechanically by energising each coil separately · Signal lights change from red to green or from red to green/amber · 1¹/₈ in. wide, 3⁷/₈ in. long, 5 in. high.

7188 $ 6.20 ▶
Colour-light Home Signal · Signal light changes from red to green; two bulbs for lights · Extra hand operating lever · One pair of sockets for connecting distant signal 7187 · 1¹/₈ in. wide, 2³/₄ in. long, 3¹/₂ in. high.

7188

7187 $ 4.75
Colour-light distant Signal, for use only in conjunction with the 7188 colour-light home signal · Signal light changes from green/green to amber/amber by four bulbs in all · ⁵/₈ in. wide, ⁷/₁₆ in. long, 2³/₈ in. high. ▶

7187

The MÄRKLIN Range of Signals

Marvels of precision workmanship—reliable, true to scale and indestructible—nothing is more suitable than these perfect signals for building up a true MÄRKLIN scale-model railway and making its operation as entertaining as it is exciting.

All these signals are notable for the miniature scale modelling of their chief parts and the fine finish of their details. All masts are made of practically unbreakable zinc pressure castings.

The signals can be placed anywhere desired, i. e., on the left or right-hand side of the track, and on straight stretches or curves.

The baseplates enable all signals to be firmly attached to the track sections.

The double-solenoid mechanism of the electro-magnetic operating apparatus enables the indications of all signals and also the settings of the points to be shown on the control panel. The electro-magnet coil is made of exceptionally durable material.

Train Control is provided by all home, stop and humping signals by means of track current switches with silver contacts fitted to these signals, without the need for any special additional appliance.

Fully-automatic Block System Working, that is to say, automatic operation of the signals controlling several trains, can be arranged with all MÄRKLIN home signals.

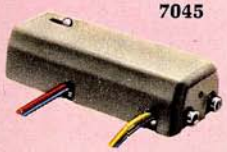
Distant Signals can be coupled to home signals just as points can, so that distant and home signal indications coincide. Four home signals with train control can be operated by the 7072 control panel costing $ 2.00 (see page 50).

At least four signals with train control can be connected to one panel (see page 50).

7042 $ 6.00
Track Block Signal, mast with movable spectacle glasses front and rear · 1¹/₈ in. wide, 2³/₄ in. long, 2³/₄ in. high.

7043 $ 7.50
Humping Signal · The semaphore arm has three positions: "Stop", "Shunt slowly" and "Shunt moderately fast" · In the "Stop" position, the traction current is cut off, but switched on again for the "Shunt slowly" and "Shunt moderately fast" indications · Connecting cables are yellow with a yellow plug, blue with a red plug, blue with a green plug and blue with an orange plug · 1¹/₈ in. wide, 3⁷/₈ in. long, 5¹/₈ in. high.

7045 $ 4.30
Universal remote-control switch, for switching on, off and reversing traction and lighting currents for magnetically-operated accessories · Can be controlled by track contacts, from the control panel or by additional hand-operating levers · The numerous opportunities for using this fitment, such as switching lights on and off by passing trains, or cutting out train control by signals in certain directions, are described in the Instructions and also in the MÄRKLIN Book of Signals.



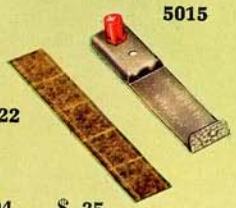
Distant Signals without Train Control

7036 $ 4.75 ▶
Distant Signal without extra semaphore arm · Double solenoid, signal lights change from amber/amber to green/green · Two blue cables for automatic operation · Connection to control panel or for working together with home signal · Yellow cable for current supply · The three plugs – red, green and yellow – have cross sockets · For use in conjunction with the 7039 home signal · 1¹/₈ in. wide, 2⁵/₈ in. long, 2⁷/₈ in. high.

◀ **7037 $ 5.30**
Distant Signal with extra movable arm · Fixed disc · Operation, lights and cables as 7036 · Light changes from amber/amber to amber/amber/green · For use in conjunction with the 7040 home signal · 1¹/₈ in. wide, 2⁵/₈ in. long, 2⁷/₈ in. high.

7038 $ 6.00 ▶
Distant Signal with extra movable arm and movable disc · Two double solenoids · Signal light changes either as 7036 or 7037 · Three blue cables with red, green and orange cross plugs · Current supplied by yellow cable with yellow cross plug · Used mostly in conjunction with the 7041 home signal · 1¹/₈ in. wide, 2⁵/₈ in. long, 2⁷/₈ in. high.

0341 $ .95 ▶
The MÄRKLIN Book of Signals · A complete and much-enlarged edition of our illustrated Guide printed in six colours, telling you all about our signals and universal remote-control switches · 40 pages.



5015 $ .25
Isolating sign for identifying isolating points.

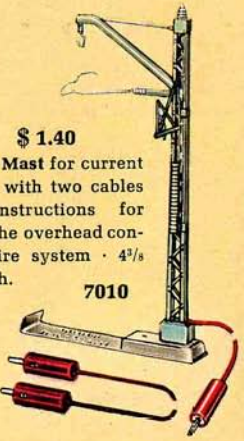
5022 $ .10
Centre rail or contact insulation for insulating five points.

5004 $ .35
Connecting cable for the centre rail or conductor, 30 in. long ▶

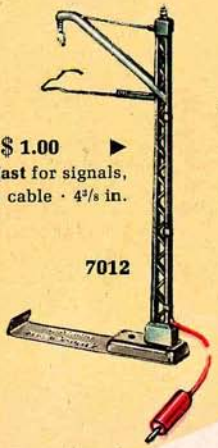
Fair Trade prices in US Dollars

The MÄRKLIN Overhead Contact Wire System

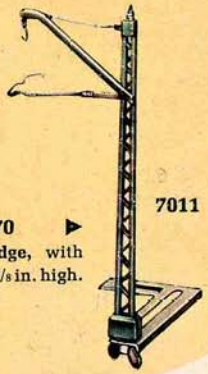
7009 $ .50
Mast for Overhead Wire (basic component), 4³/₈ in. high.



7010 $ 1.40
Feeder Mast for current supply with two cables and instructions for using the overhead contact wire system · 4³/₈ in. high.



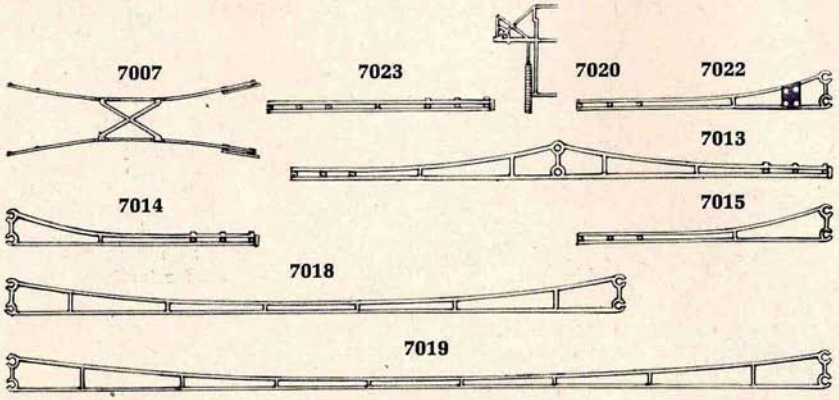
7012 $ 1.00 ▶
Feeder Mast for signals, with one cable · 4³/₈ in. high.



7011 $ .70 ▶
Mast for Bridge, with fixing piece · 4³/₈ in. high.

- *Giving a true scale-model impression of the system, both on open stretches as well as through station precincts.*
- *The overhead contact wires and cross-connections are faithful miniature reproductions of the full-sized originals.*
- *The plastic masts combine flexibility with great strength.*
- *Spring contact connections avoid voltage drop to the greatest possible extent.*
- *Ease of erection. Any desired length of overhead wire obtainable by fitting the sections into one another without needing anything extra.*
- *Adjustment for length easily arranged by push-in connections.*
- *Flexible contact wires both for curved and straight tracks. The 7019 wire section is only for extending long straight sections.*

Component Parts of the Overhead Contact Wire System



7005 Set of overhead wire fittings for signals not placed by tower masts, consisting of two 7012 signal masts, two 7022 interrupter sections and two 7014 sections, suitable for all signals provided with train control action. **$ 2.70**

7007 Crossing section for 5114, 5128, 5207, 5211, 5126 and 5016. **$ .25**

7008 Set of overhead contact wire fittings for the 7029 engine sheds, consisting of two supports for the contact wire. **$ 1.30**

7013 Contact wire section with push-in connection for straight and curved stretches, specially for points, 9¹/₂ in. long. **$ .20**

7014 Hollow contact wire section (for push-in connection), 4¹/₂ in. long. **$ .10**

7015 Contact wire cam section (for push-in connection), 4¹/₂ in. long. **$ .10**

7018 Contact wire section for straight and curved stretches, 10³/₄ in. long. **$ .20**

7019 Contact wire section for straight stretches only, 14¹/₄ in. long. **$ .30**

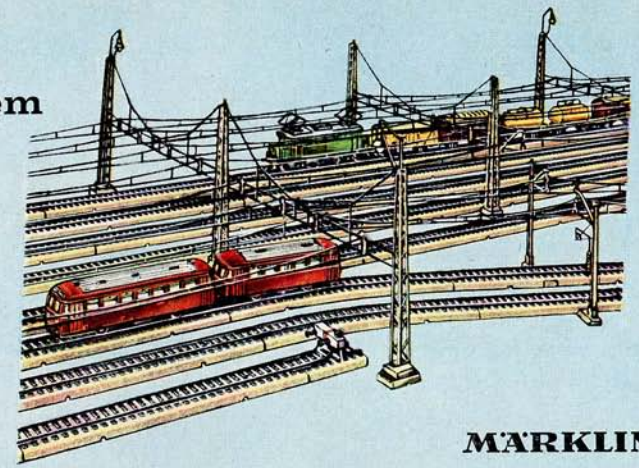
7020 Contact wire tensioner for fitting to section and tower masts. **$ .20**

7022 Interrupter cam section (for push-in connection), 4¹/₂ in. long. **$ .25**

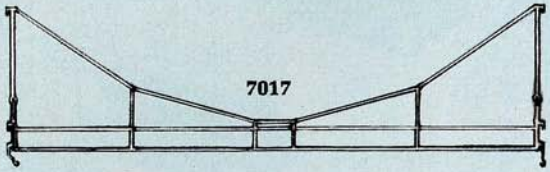
7023 Make-up section with push-in connection, 4 in. long. **$ .10**

Component Parts for the Tower Mast Overhead Contact Wire System

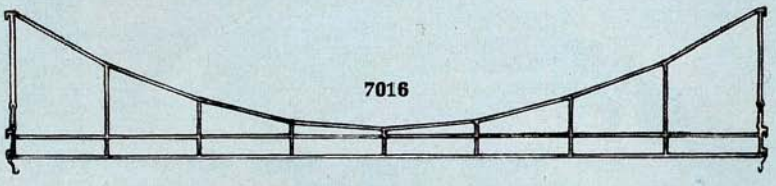
The ingenious design of the tower masts enables the overhead wire system to be installed even in very wide station areas. One cross-connection needs two tower masts, larger systems with two cross-connections require three tower masts, and three cross-connections, four tower masts. Single lines passing outside the masts can be included in the system by using the 7025 cantilever support for the overhead wire.



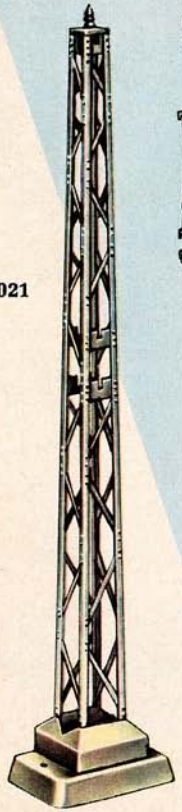
MÄRKLIN



7017



7016

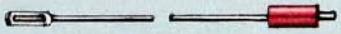


7021

7017 $ .45
Cross-connection, nickel-plated, to clip into tower masts; spans about three standard tracks · Span 11 in.

7016 $ .50
Cross-connection, nickel-plated, to clip into tower masts, spanning about four standard tracks · Span 15½ in.

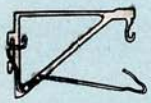
7003 $ .35
Overhead wire connecting cable for signal connections when using tower masts and for supplying current to any point desired · 24 in. long.



◀ **7021** $ .75
Tower Mast, thermo-plastic, with detachable cap · Base 1 in. by 1⅓ in., 7¼ in. high · For tower mast with arc lamp see page 51.

7025 $ .15
Cantilever supporting arm · A single track passing on the outside of the tower mast can be included in the overhead wire system by using this cantilever arm to support its wire.

7025



7006 $ .10
Contact wire insulator for insulating contact wire sections from cross-connections · One required for each track and cross-connection · The illustration is full size.

7006

7004 $ .15
Fastening Kit, consisting of five screws, five nuts and five plain washers · The usual accessories for the overhead wire system are generally sufficient, though in rare cases it may happen that two overhead wire sections can only be joined up by a screw and nut.

Remote Control and Lighting Accessories

7080 $ .35
Cable, single core, with one plug and one socket, grey, 39 in. long.

7090 $ .40
Cable, single core, with one plug and one socket, grey, 79 in. long.

7100 $ .65
Cable, single core, 33 ft. long; grey.

7101 $ .65
Cable, single core, 33 ft. long; blue.

7102 $ .65
Cable, single core, 33 ft. long; brown.

7103 $ .65
Cable, single core, 33 ft. long; yellow.

7105 $ .65
Cable, single core, 33 ft. long; red.

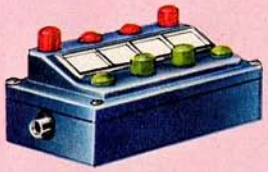
The colours mostly used in the MÄRKLIN circuit system are the following:

Red = Traction current connection (transformer to third rail, centre contact or overhead contact wire, as the case may be).

Yellow = Lighting and magnetically-operated accessories.

Brown = Earth return from the track, lighting base or controller to the transformer

Blue = Earth return from magnetically-operated accessories to the controller or track contact (with green, red and orange plugs).



◀ **7072** $ 2.00
Control Panel or controller, with sockets for plugging in four double-solenoid magnetic accessories · The arrangement of the control push-buttons enables the indications or settings of magnetically-controlled accessories to be shown on the panel as well · 3¼ in. long, 1¾ in. wide.

7071

▶ **7071** $ 2.70
Switchboard with four tumbler switches for switching four different traction or lighting current circuits on and off · 3¼ in. long, 1¾ in. wide.

7070

7070 $ 2.70 ▲
Switchboard with four tumbler switches for controlling traction or lighting current on four different conductors · 3¼ in. long, 1¾ in. wide.

7069 $ .50 ▲
Distribution Board, with nine single-pole connections · Size 2¼ in. by ¾ in.

60030 $ .25
Pair of Brushes for practically all H0 gauge locomotives, consisting of either two black graphite brushes or one graphite and one copper brush.

60035 $ .25 **Pair of Brushes** for 3015 and 3025.

7141 $ .10
Intermediate double Plug – the intermediate fitting for connecting two sockets or connectors, as the case may be.

7034

7034 $ 2.50
Set of numbered Plates for identifying points, signals etc., consisting of twelve cast feet with slots to take the numbers from 1 to 24 supplied with them.

7140 $ .15
Cross-connection Plug, used like intermediate plug 7141, but enabling two additional plugs to be connected up.

Sockets

7111	= Brown	$ .10
7112	= Yellow	
7113	= Green	
7114	= Orange	
7115	= Red	
7117	= Grey	

Plugs

7121	= Brown	$ .10
7122	= Yellow	
7123	= Green	
7124	= Orange	
7125	= Red	
7127	= Grey	

Plugs with side socket

7131	= Brown	$ .15
7132	= Yellow	
7133	= Green	
7134	= Orange	
7135	= Red	
7137	= Grey	

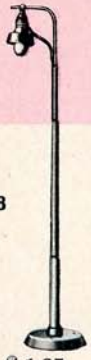
50 Fair Trade prices in US Dollars

7046

7046 $ 2.40
Arc lamp with lattice mast, for use with the overhead contact wire system · 8¼ in. high, base 1 in. by 1⅛ in.

7047

7047 $ 2.00
Station Lamppost, can be used for station platforms, forecourts and for street lighting · 5 in. high, base 1 in. diameter, with bulb, cable and metal plugs.

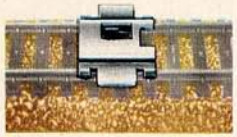


7048

7048 $ 1.85
Arc Lamp, 6¼ in. high, base 1¼ in. diameter; with bulb, cable and metal plugs

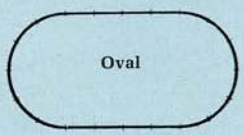
0311 $ 2.20
◀ **Booklet,** "The MÄRKLIN HO Gauge Railway and its Big Prototype", a handbook for MÄRKLIN Railway enthusiasts · Size 8⅜ in. by 6 in. · Some of the contents are: Suggestions for railway systems in a landscape setting; MÄRKLIN locomotives and rolling stock and their Big Prototypes; signals; regulations on full-sized railways; railway operation; electrical circuits inter alia for multi-train working, and a great deal more besides.

7001 $ .20
Coupling Gauge, nickel-plated sheet steel, for checking the couplings on rolling stock. ▶



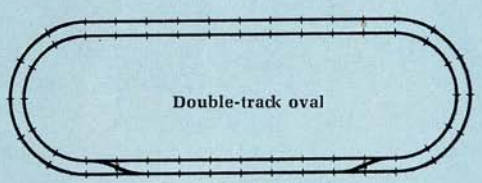
◀ **7002 $ .95**
Rerailing Ramp for easily placing bogie stock on the track; 12 in. long, ¾ in. high.

Some Favourite H0 Gauge Track Layouts

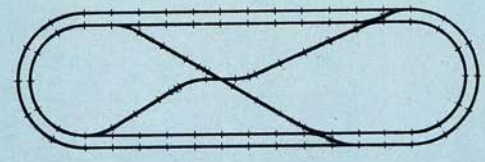


Size 59¼ in. by 30⅜ in.
Track sections: Eleven 5100, one 5103, eight 5106

Size 59¼ in. by 34 in.
Track sections: Eleven 5100, one 5103, ten 5106, one 5108 and one pair of 5121 points.



Size 107 in. by 36⅛ in.
Track sections: Twelve 5100, thirty-five 5106, one 5111, twelve 5200 and two pairs of 5202 points.



Double-track oval with double reversing loop
Size 121½ by 36⅛ in.
Track Sections: Thirteen 5100, one 5101, one 5102, fifty-one 5106, three 5107, three 5108, one 5109, one 5110, one 5111, one 5114, one pair 5117 points, twelve 5200, one pair 5202 points, one 5205, two 5207 and three 5208.

Electric Lighting for Trains

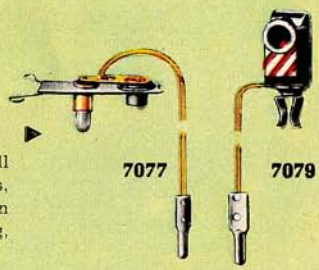
7074 **$ .85**
Interior lighting for 4002, 4003, 4004 and 4005 passenger coaches, with connecting socket for additional lighting.

◀ **7075** **$ .60**
Current pick-up for 7077 coach lighting.

7076 **$ .40**
Current pick-up for 7077 coach lighting and 7079 tail lamps when using the 4000 passenger coach and four-wheeled goods wagons.

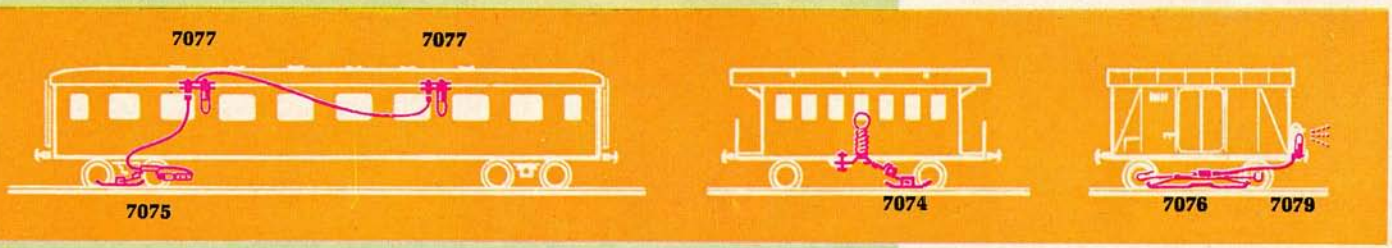
MÄRKLIN

Fitting instructions are given in the instructions for working the locomotives.



7077 **$ .65**
Coach lighting for all express train coaches, with socket connection for additional lighting, and with bulb.

7079 **$ .95**
Tail Lamp with bulb, for clipping to buffer (not to be used for the express coaches on pages 30 and 31) · 7074, 7075, 7076 or 7077 required for connection.



H0 Gauge Plastic Tyres

Replacement tyres for the new type H0 gauge MÄRKLIN locomotives.

No.	For locomotives	Each
7143	3000, 3031, 3032	**$ .05**
7145	3001, 3002, 3011, 3012, 3013, 3014	**$ .05**
7146	3004, 3006	**$ .05**
7147	3015, 3019, 3030	**$ .05**
7148	3005, 3023, 3024	**$ .05**
7149	3007, 3008, 3026, 3048	**$ .05**
7150	3021, 3029, 3060, 3062, 3921	**$ .05**
7151	3003, 3009, 3016, 3027, 3034, 3035, 3036, 3037, 3937	**$ .05**

Replacement Current Collector Shoes

No.		Each
7173	For locomotives 3000, 3001, 3002, 3003, 3005, 3011, 3012, 3013, 3014, 3019, 3030, 3031 and 3032	**$ .20**
7174	For locomotives 3004, 3007, 3016, 3023, 3024, 3026 and 3048	**$ .20**
7175	For locomotives 3009, 3015, 3027	**$ .35**
7183	For locomotives 3021 and 3921	**$ .35**
7185	For locomotives 3029, 3034, 3035, 3036, 3037, 3060, 3062 and 3937	**$ .20**

Switch slide springs

7194	Carton containing five springs for the reversing switch.	**$ .10**

52 Fair Trade prices in US Dollars

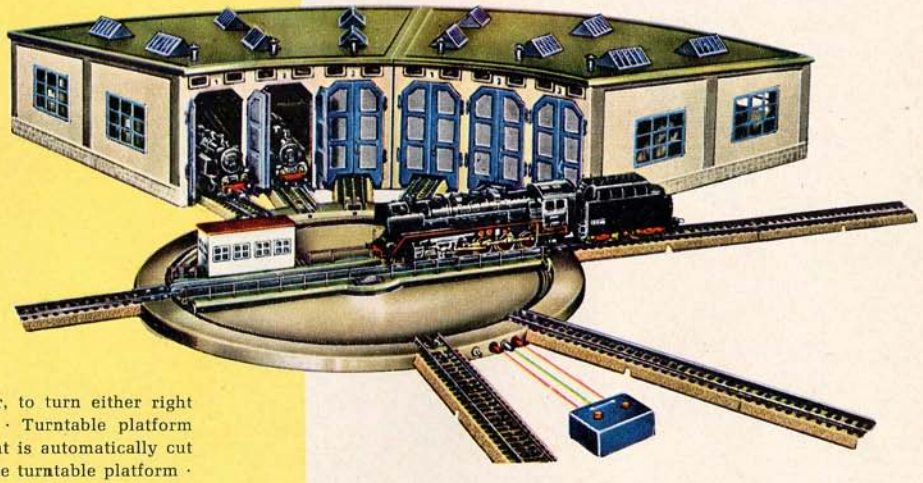
Remotely-controlled Turntables and Locomotive Sheds

7028 $ 24.95

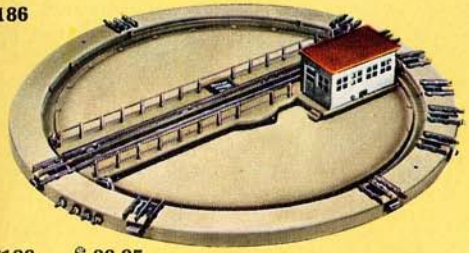
Locomotive Sheds for three tracks, with skylights, smoke vents, interior lighting and three doors to close automatically · Coloured enamel finish (track sections not included) · Size 18³/₈ in. by 14³/₄ in. by 5³/₈ in. high.

7028

This illustration shows the harmonious combination of two locomotive sheds and the turntable as a faithful reproduction of the full-sized prototype.



7186



7186 $ 36.95

Turntable Set, consisting of turntable 14 in. external diameter, to turn either right or left hand by remote control; reversing switch and cable · Turntable platform protected by railings and with engine or motor house · Current is automatically cut off from all dead-end tracks not registering with the track on the turntable platform · Either two 7028 or three 7029 locomotive sheds can be combined with this turntable set.

7029

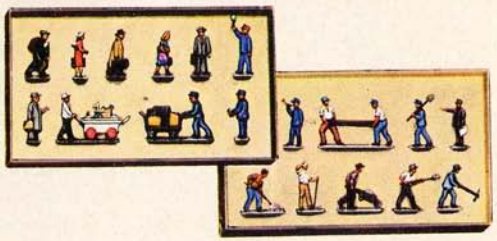
7029 $ 10.95

Locomotive Sheds for two tracks with doors closing automatically; skylight and real windows (Locomotives, track sections and overhead contact wire not included) · Holders for two 7073 lighting fittings for interior lighting and 7008 overhead contact wire fittings for installing later on · Size 13¹/₄ in. by 7¹/₄ in. by 6 in. high · Distance between track centres 3³/₄ in.

For **overhead contact wire fittings** for locomotive sheds see page 48.

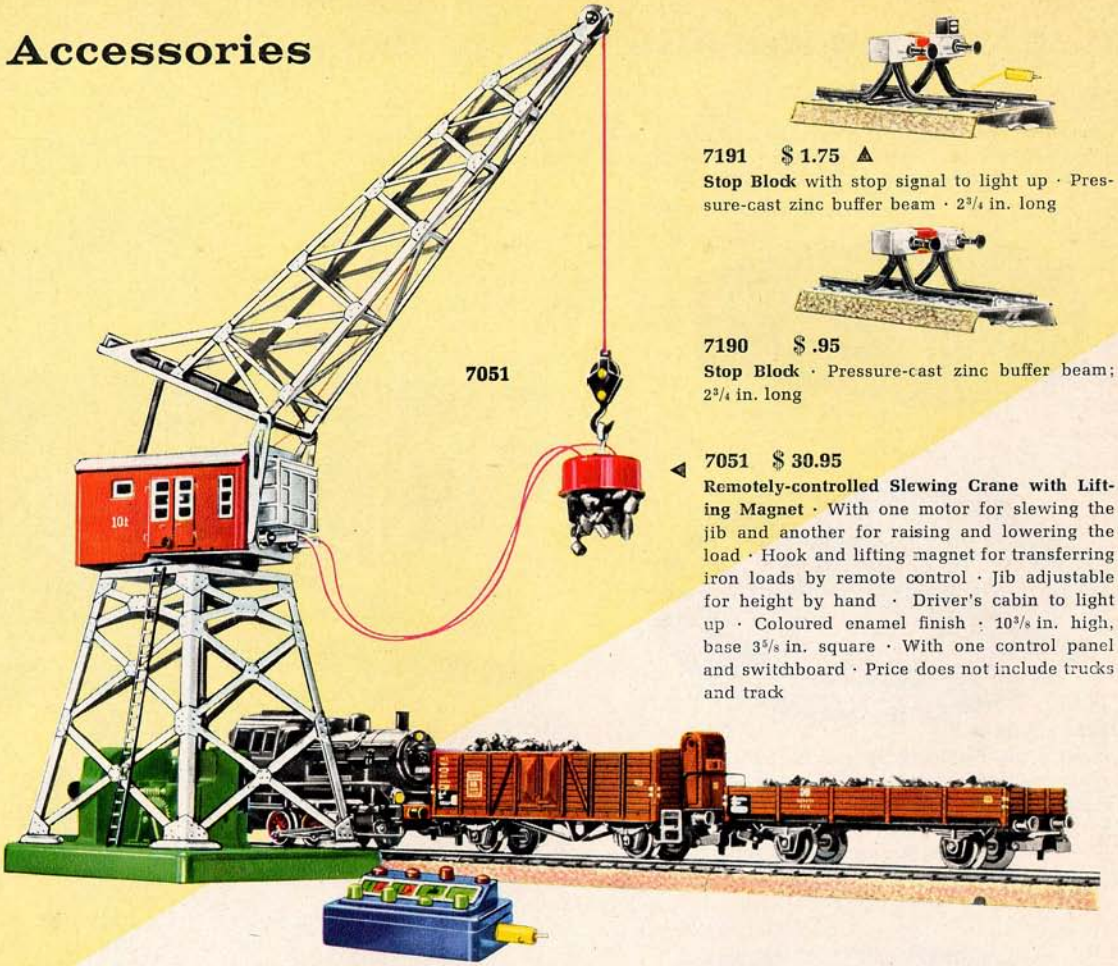
0201, 0202 or **0203** $ 1.80

Railway Figures · Supplied in three different sets — 0201 and 0202, passengers and railway staff, and 0203, permanent way workers · Ten figures to a set, in box · The figures are ⁷/₈ in. high.



Interesting Accessories

This slewing crane will bring the sidings also into the centre of attraction, trucks and wagons being either loaded or unloaded by it after shunting. There is no limit to the railway operator's fancy in this connection, as loads can be transferred from a wagon to a motor lorry or barge, for example, thus opening up a whole new world of operational activities for the model enthusiast who can then, with the addition of an uncoupling system, run a goods station or marshalling yard in exactly the same way as the full-sized original.



7191 $ 1.75 ▲
Stop Block with stop signal to light up · Pressure-cast zinc buffer beam · 2¾ in. long

7190 $ .95
Stop Block · Pressure-cast zinc buffer beam; 2¾ in. long

◀ **7051** $ 30.95
Remotely-controlled Slewing Crane with Lifting Magnet · With one motor for slewing the jib and another for raising and lowering the load · Hook and lifting magnet for transferring iron loads by remote control · Jib adjustable for height by hand · Driver's cabin to light up · Coloured enamel finish · 10⅜ in. high, base 3⅝ in. square · With one control panel and switchboard · Price does not include trucks and track

MÄRKLIN

◀ **7035** $ 4.00
Warning bell, electromagnetically operated; cable with metal plugs · 2⅜ in. high, base 1⅜ in. square

7199 $ .35 ▶
Oil Bottle, containing about 10 c. c. of winter grade car engine oil, for lubricating the locomotives and rolling stock

7073 $ .65
Lighting Socket with bulb and cable, for stations, goods sheds etc.

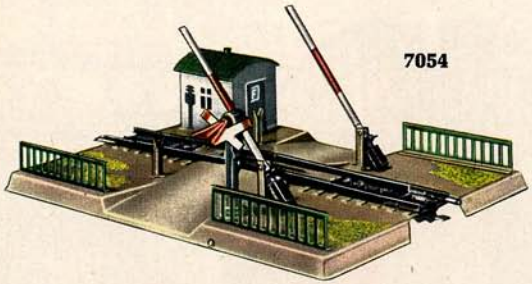
7000 $ .65
Staples in bags of fifty, for fixing cables to wooden bases

◀ **0240** $ .20
Smoke Fluid, in plastic capsule, as replenishment for locomotive 3048

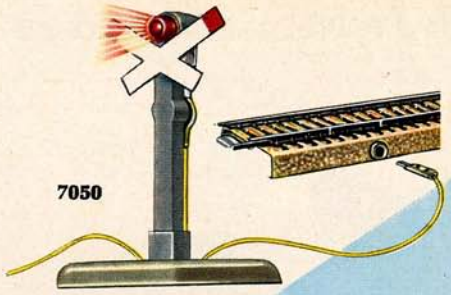
Level Crossings with Automatic Barriers

7054 $ 6.00

Mechanically-operated Level Crossing for single-track lines with centre-stud contact rail section · The barriers are closed by rocking bars pressed down by the train wheels · Crossing-keeper's hut with railings · Warning cross road sign with red bulb that lights up when the barriers are closed · The length of the track section on this level crossing is the same as that of a 5106 track section (see page 40) · Base 5¼ by 7¼ in.



7054



7050

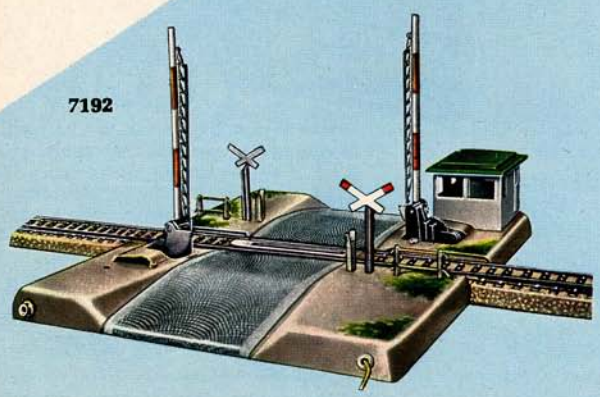
7050 $ 2.40

Warning Cross Road Sign with flashing light for placing before level crossings · The set comprises the warning cross sign with two cables and plugs with a 5127 track contact section · The red warning light comes on and flashes immediately a train runs on to the contact track section · 2 in. high, flashing light base 1 in. by ¾ in. · Track contact rail section 3⅜ in. long

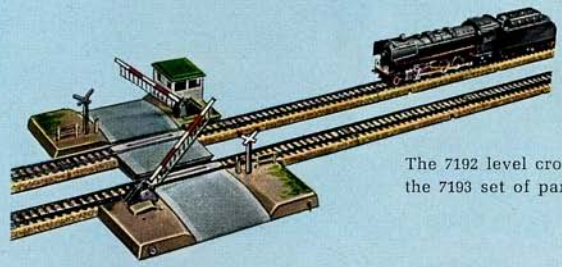
7192 $ 13.95

Fully-automatic Level Crossing with Track Sections · The set comprises two barriers operated electro-magnetically, the crossing-keeper's hut (arranged for fitting interior lighting), warning cross road signs and also a set of two track contact sections · The crossing works entirely automatically, the barriers closing as soon as a train enters the track contact section before the level crossing · The barriers rise again automatically as soon as the train leaves the last track contact section · With the addition of the extra 7193 set, this 7192 crossing can also be used for working with more than one track, its automatic operation still being retained

▼



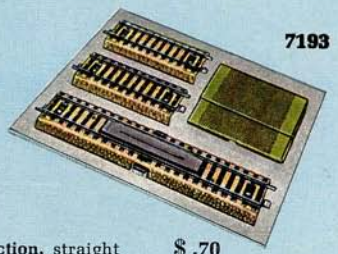
7192



The 7192 level crossing with the 7193 set of parts added

7193 $ 4.00

Extra Parts for each additional parallel track for the 7192 fully-automatic level crossing, consisting of a set of track contact sections and the 7160 filling piece to place in the intervening space between the two tracks



7193

5115 Track Contact Section, straight $ .70
5116 Track Contact Section, curved $ .75

These track sections are used for extending the contact section of the level crossing

Scale Model Bridge Construction

These bridge parts can be used for building bridges and approaches of any size and combination desired. The 7064 and 7065 pier building parts fit together like the parts of a building set and enable piers of any height to be built up in steps of about 1/4 in., using the 7066 baseplate as a very effective foundation.

Track Sections on Parts of Bridges and Approaches are Fitted with Centre Stud Contacts.

7064 **$ .55**

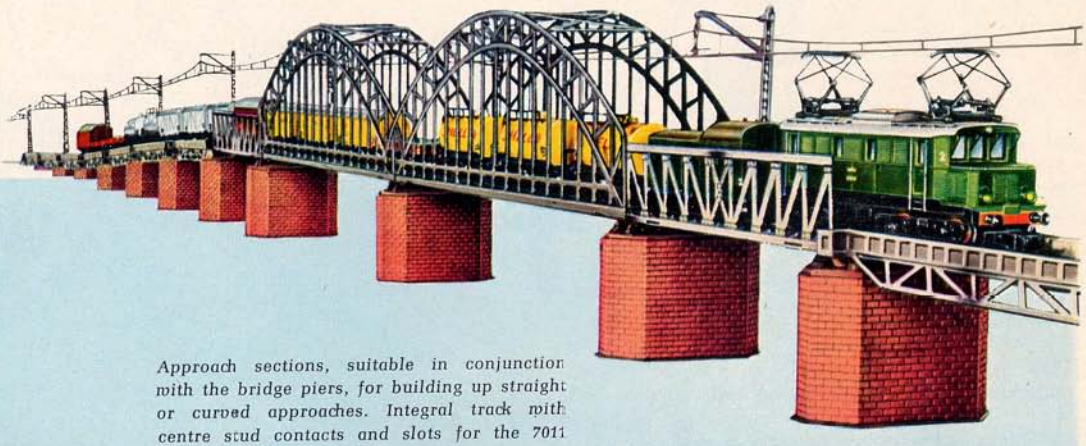
Pier, plastic, 1 1/4 in. high · Plastic material

7065 **$ .30**

Pier, 1/4 in. high · Very suitable for building bridge approaches with a 1/4 in. rise between piers · Plastic material

7066 **$ .25**

Baseplate, for use as foundation · Green, 1/8 in. high · Plastic material



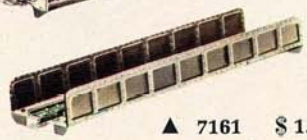
Approach sections, suitable in conjunction with the bridge piers, for building up straight or curved approaches. Integral track with centre stud contacts and slots for the 7011 masts for the overhead contact wire.

7163 **$ 4.70**

Arched Bridge, grey, with integral track, 14 3/8 in. long · Slots for two 7011 overhead contact wire masts · Arch, 4 5/8 in. high

▲ **7162** **$ 1.60**

Lattice Girder Bridge, can also be used singly in conjunction with the 7163 arched bridge as the first part of a main bridge · Grey, integral track, 7 1/4 in. long, with centre stud contacts · Slots for the 7011 overhead contact wire mast · 1 7/8 in. high

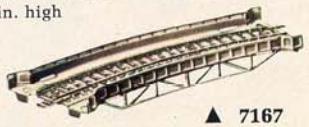


▲ **7161** **$ 1.40**

Plate Girder Bridge, grey · Integral track, 7 1/4 in. long with centre stud contacts · Slots for the 7011 overhead contact wire mast · 1 in. high

▲ **7168** **$ 1.40**

Straight Approach Section, grey · Integral track 7 1/4 in. long with centre stud contacts



▲ **7167** **$ 1.40**

Curved Approach Section, grey · Normal circle of the standard track sections · Integral track 7 1/2 in. long with centre stud contacts

Pressure-cast zinc Miniature Cars

Scale-model reproductions of the originals – rubber tyres – various finishes. Approximately one-fortyfifth full size.

8149 $ .20
Rubber Tyres, 9/16 in. diameter, packed in cartons of ten · To fit the 8018, 8025, 8027 and 8028 miniature cars

8150 $ .20
Rubber Tyres, 9/16 in. diameter, packed in cartons of ten · To fit the 8004, 8005, 8007, 8008, 8014, 8015, 8019, 8020, 8021, 8022, 8024, 8026 and 8030 miniature cars

8151 $ .20
Rubber Tyres, 5/8 in. diameter, packed in cartons of ten · To fit the 8010, 8011 and 8016 miniature cars

8152 $ .20
Rubber Tyres, 11/16 in. diameter, packed in cartons of ten · To fit the 8000, 8009, 8012, 8017, 8023, 8031 and 8032 miniature cars

▲ **8014** $ 1.35
Volkswagen Microbus, duotone, 3 5/8 in. long

▲ **8008** $ 1.25
Volkswagen Delivery Van, duotone, 3 5/8 in. long

▲ **8030** $ 1.50
Ambulance, finished ivory colour, 3 5/8 in. long

▲ **8007** $ 1.40
Volkswagen Delivery Van, lettered "GASOLIN", multitone, 3 5/8 in. long

8018 $ 1.00
Ford-Taunus 15 M Car, 3 1/2 in. long ▼

8005 $ .95
Volkswagen Limousine, 3 1/2 in. long ▼

Karmann Ghia Car, one colour, 3 1/2 in. long
8021 $ 1.00 ▼

Mercedes Formula Racing Car, with racing numbers, 4 in. long
8011 $ 1.10 ▼

8010 $ 1.00
Mercedes Formula Racing Car, without racing numbers

8019 $ 1.00
Mercedes 300 SL, 3 3/4 in. long ▼

▲ **8004** $ 1.00
Porsche Car, 3 3/8 in. long

8024 $ 1.25
Police Patrol Car, multitone, 3 3/8 in. long ▶

▲ **8022** $ 1.00
BMW 507 Sports Tourer, one colour, 3 3/4 in. long

▲ **8025** $ 1.40
Mercedes 190 SL Car, duotone, 3 3/4 in. long

Zinc pressure-cast Miniature Cars

8032 $ 3.70 ▶
Fuel Tanker, eight-wheeled, in two detachable parts
Latest up-to-date design, runs very easily round curves
7 in. long.

8032

8000 $ 4.20
Petrol Tanker, six-wheeled, "BV-ARAL" type; a modern articulated tank wagon in two detachable parts with great flexibility of movement on curves · 6¼ in. long ▶

8000

◀ **8015 $ 1.10**
Borgward Isabella Car, one colour, 3⅞ in. long

▲ **8020 $ 1.25** **Borgward Isabella Car,** duotone, 3⅞ in. long

▲ **8016 $ 1.20**
BMW 501 Car, 4¼ in. long

8027 $ 1.35
Ford Taunus 17 M Car, multitone, 3⅝ in. long ▶

8028 $ 1.10 ▶
Ford Taunus 17 M Car, one colour, 3⅝ in. long

8031 $ 3.15 ▶
Mobile Crane, with slewing cabin and movable jib · Crank handle for raising and lowering crane hook · 6½ in. long

8031

8017 $ 3.70 ▲
Phoenix Box Van, multitone, 5½ in. long

8029
$ 1.85

▲
Agricultural Tractor, with driver's figure and all details carefully reproduced · Special tyres · 3 in. long


8023

8023 $ 2.35
Fire Appliance, with extending turntable ladder, 6¼ in. long ◀


8012

8009 $ 1.75
Krupp Motor Lorry, 5½ in. long

8012 $ 1.10
Trailer, suitable for motor lorry, 4⅜ in. long

▼ **8026 $ 1.10**
Tempo Stacking Truck, 3⅞ in. long

MÄRKLIN Metal Building Sets and their Advantages

- *The MÄRKLIN Metal Building Set is a high-grade product with a name behind it. MÄRKLIN Metal Building Sets are made in seven basic sets and eight supplementary sets.*
- *MÄRKLIN Supplementary Sets enable each basic set to be made up to the size of the next following set.*
- *Each Metal Building Set contains a large assortment of building parts with an illustrated Instruction Book showing you numerous interesting examples.*
- *A number of very instructive models can be built even with the smallest set.*
- *All component parts are made of best materials and finished in coloured enamel.*
- *All gear wheels – except the universal gear – have machine-cut teeth and turned bosses or hubs, instead of the stamped and riveted sheet metal parts so often used othermise.*
- *Coloured casings give the models a colourful appearance closely resembling the real thing. A great advantage is that the cover plates can be bent at right angles and the lines of the bends can then be smoothed out again.*
- *Electrical parts – such as commutators, field or magnet coils, cables, etc., are also included in the assortment contained in Set No. 1013 and subsequent sets, thus making an insight possible into the fundamental laws of electricity. The great variety of separate parts can be still further increased by special parts obtainable from all shops selling MÄRKLIN models and sets.*
- *Playing with these MÄRKLIN Metal Building sets will reveal technical and creative talents even in the early years of youth.*
- **MÄRKLIN** *is synonymous with quality, and therefore what children should be given to play with is not a matter for indifference, as playthings that are accurately made will provide an education for accurate work in later life.*

◀ **Basic Building Set No. 1009 $ 4.10**
Contains 125 building parts plus ten fixing clips, making **135 parts** in all · Box measures 15¼ in. by 10 in. by 1 in. · Weight 1 lb. 15 oz. · Can be made up to Basic Set 1010 by Supplementary Set No. 1029

1009

1010

Basic Building Set No. 1010 $ 6.20
Contains 166 building parts plus ten fixing clips, making **176 parts** in all · Box measures 16 by 12 by 1 in. · Weight 2 lb. 8½ oz. · Can be made up to Basic Set No. 1011 by Supplementary Set No. 1030

Basic Building Set No. 1011 $ 9.95
Contains 232 building parts plus ten fixing clips, making **242 parts** in all · Box measures 20¼ in. by 13¾ by 1¼ in. · Weight 3 lb. 14 oz. · This is one of the favourite building sets, as models from all branches of engineering can be built from the building parts it contains, the illustrated Instruction Book supplied with it giving a wide selection to choose from · Can be made up to Basic Set No. 1012 by Supplementary Set No. 1031

Basic Building Set No. 1012 $ 18.95
Contains 386 building parts plus 67 fixing clips, making **453 parts** in all · Box measures 20¾ by 14¼ x 1⅝ in. · Weight 7 lb. 8 oz. · This 1012 set extends the number and realism of the models considerably, as among the many other models that can be built from it, there are, for example, diesel locomotives, tramways with maintenance cars for the overhead trolley wire, motor lorries, tractors, mobile slewing cranes right up to tower slewing cranes and windmills · Models such as surface grinders, high-speed drilling machines, pendulum and frame saws can also be built without any difficulty · Can be made up to Basic Set No. 1013 by Supplementary Set No. 1032

Basic Building Set No. 1014 $ 46.95

Contains 953 building parts plus 198 fixing clips, making **1151 parts** in all · Box measures 25¹/₄ by 16⁵/₈ by 2⁵/₈ in. · Weight 18 lb. 3 oz.

Can be made up to basic set No. 1015 by Supplementary Set No. 1034 or the two Supplementary Sets 1035 and 1036

Basic Building Set No. 1015 $ 88.95

Contains 2039 building parts, plus 140 fixing clips, making 2179 parts in all · Box measures 25³/₄ by 16⁵/₈ by 3³/₈ in. · Weight 32 lb. 10 oz.

The MÄRKLIN No. 1015 Building Set is the peak achievement in the range of building sets and anything more beyond the versatility and completeness of this set would be impossible to offer

Basic Building Set No. 1013 $ 32.95

Contains 658 building parts plus 136 fixing clips, making **794 parts** in all · Box measures 20³/₄ by 14¹/₄ by 2⁵/₈ in. · Weight 13 lb. 4 oz.

This set and those coming after it also contain electrical parts to make up motors that will really work. A "Short Course in Electricity" gives an introduction to electricity itself and its basic principles. This set can be made up to Basic Set No. 1014 by Supplementary Set No. 1033

Number of building parts in MÄRKLIN Metal Building Sets

Basic Set Nr.	Number of parts without fixing clips	Number of parts with fixing clips	Supplementary Set No.	Number of parts without fixing clips	Number of parts with fixing clips
1009	125	135	1029	42	42
1010	166	176	1030	67	67
1011	232	242	1031	154	164
1012	386	453	1032	273	324
1013	658	794	1033	295	342
1014	953	1151	1034	1086	1179
1015	2039	2179	1035	560	627
			1036	526	595

1013

Supplementary Sets

Any basic set can be made up to the next larger one by a supplementary set, its parts added to the existing set forming the new larger basic set. If, for example, you have the 1011 basic set and want to make it up to the contents of basic set No. 1012, then you will want the No. 1031 Supplementary set

Summarised:

Supplementary Set **1029** makes up Set 1009 into Set **1010** $ 2.95
Supplementary Set **1030** makes up Set 1010 into Set **1011** $ 4.10
Supplementary Set **1031** makes up Set 1011 into Set **1012** $ 9.40
Supplementary Set **1032** makes up Set 1012 into Set **1013** $ 13.95
Supplementary Set **1033** makes up Set 1013 into Set **1014** $ 16.95
Supplementary Set **1034** makes up Set 1014 into Set **1015** $ 46.95
Supplementary Set **1035** } makes up Set 1014 into Set **1015** $ 24.95
Supplementary Set **1036** } into Set **1015** $ 23.95

Apart from the Supplementary Sets already mentioned, every MÄRKLIN Metal Building Set can be expanded by extra parts if the set does not contain sufficient parts for some model it is desired to make, or by special parts not contained in the sets. A separate List of these parts, as well as the actual parts themselves, can be obtained from every toyshop that deals in MÄRKLIN products.

60 Fair Trade prices in US Dollars

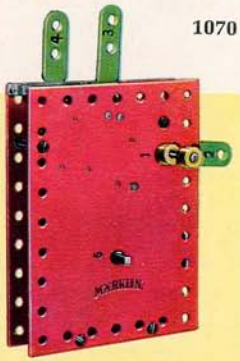
Motors for driving Models made up from the Metal Building Sets

Every youngster will be very highly pleased with himself after having built each modell in the booklet successfully, one after the other, but how great will his delight be if the models can be made to work by a clockwork or electric motor driving them. The three motors we now mention below are eminently suitable in every way for driving these models; for the smaller models we recommend either the clockwork motor or the simple electric motor (1070, 1071) and the electric motor 1072 for the larger models.

Clockwork Motor

1070 $ 9.95

Clockwork Motor, reversible, to run either forward or backward, and also slow or fast · Driving shaft with adjusting collar · Brake lever · Complete with key and instructions, packed in cardboard box · 4⅝ in. high, 3⅝ in. wide and ¾ in. deep; weight 19½ oz.

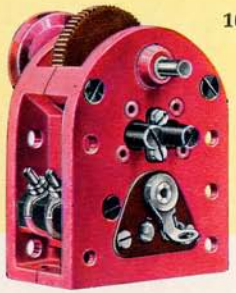


1070

Electric Motors

1071 $ 9.95

Electric Motor, simple type, reversible, to run forward or backward · No-load speed about 1500 r.p.m. · Works on 16 volts off any MÄRKLIN model railway transformer · Accessories supplied: Two 7080 cables · 2⅝ in. high, 2 in. wide and 2 in. deep · Weight 7 oz.



1071

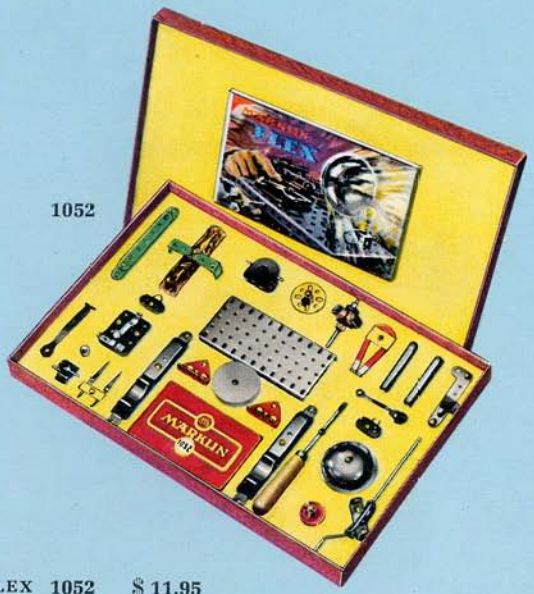
1072 $ 19.95

Electric Motor, for 16 volts, with cable and reversing switch for reversing the motor by remote control · Two pulleys for cord drive on opposite sides of the motor giving different speeds controlled from the transformer · No-load speed approximately 3000 and 1100 r.p.m. respectively · This is an extremely efficient motor for driving even the largest models made up from the building sets, as well as dynamos and working models of all kinds · (It is advisable to use only transformers of the 6100 Group) · With three connecting plugs · 2¾ in. high, 3¾ in. wide, 2⅝ in. deep · Distance between cord pulley grooves 3⅝ in. · Weight 17½ oz.

1072

The ELEX Sets of Electrical Experiments

The MÄRKLIN-ELEX Experimental Sets are complete in themselves, and handling them will give youngsters an introduction to the basic principles of magnetism and electrical engineering. With the special parts included in the 1062 and 1053 sets respectively, experiments can be carried out up to the Wheatstone bridge stage and indeed, even up to a workable telephone system. Each Set is provided with a very complete Instruction Book with numerous illustrations for all the more important experiments, as well as all parts required. With the help of the Instruction Book, a pocket lamp battery is sufficient to begin experimenting with. Transformers of the 6000 Group are suitable for connecting to the A.C. lighting mains for working ELEX models. The 1052 basic set can be made up into Basic Set 1053 by Supplementary Set 1062.



1052

ELEX 1052 $ 11.95

Basic Set for about one hundred experiments, with Instruction Book · Size 17 by 11½ by 1½ in.

ELEX Supplementary Set 1062, makes up the ELEX 1052 set into the ELEX 1053 set **$ 16.95**

ELEX 1053 $ 27.95

Basic Set for more than 160 experiments, with Instruction Book · Size 23 by 12¼ by 2⅜ in.

Experimental Transformers

Transformers of the 6000 Group · Output 16 VA, weight 3 lb. · Size 4¾ by 3¾ by 3 in. (See page 45 for details).

Please state voltage of the lighting mains when ordering · Full instructions for using these transformers are included with the Instruction Books for the sets · These ELEX sets contain two transfer plugs.

Fair Trade prices in US Dollars


B„B
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MÄRKLIN