

NEWS 2006

MODEL RAILROAD ACCESSORIES & MODEL VEHICLES



»Save our forests!« Plant Busch Trees

This year Busch presents spruces of a quality never before offered: lifelike drooping branches, delicate construction from the root to the crown of tree, simulated needles created using special micro fibers and trunks with authentic grain and fine root system. Even tiny cones are supplied that can be glued to the larger trees. The impression is captivating when viewing a complete model forest with appropriate lighting: Just as in nature, the light breaks through the points of the branches creating a realistic impression down to the romantic illumination of the undergrowth and forest floor.

The new spruces offer an outstanding value for the price so it is possible to create a realistic forest – and it is with pride that MADE IN GERMANY is written large!

The forest theme is rounded out by a number of accessory products which were developed from the techniques used by experienced model builders so now it is possible for the casual hobbyist and beginner to create a professional quality nature scene: „Coniferous Forest Soil“ scatter material for natural-looking ground cover. A special low-viscosity liquid adhesive with minimal surface tension for the professional gluing of scenery materials. A log cabin with all the extras brings a small local recreation area into the model railroad forest. With a “proper” campfire, suitable mini scenes with forestry service vehicles, small forest animals such as squirrel, eagle owl, hare, etc., creating a forest becomes an enjoyable project for the model railroader or diorama builder.

Forest

H0 6131 2 Spruce Trees

55 mm high

H0 6132 2 Spruce Trees

70 mm high

H0 TT 6133 2 Spruce Trees

90 and 120 mm high

H0 6134 2 Spruce Trees

170 and 195 mm high

H0 TT 6136 2 High-trunk Spruce Trees

130 mm high

H0 6137 2 High-trunk Spruce Trees

160 and 175 mm high

H0 6138 2 High-trunk Spruce Trees

185 and 195 mm high

H0 6042 Forest Set

Forest Cabin with numerous accessories to create a local recreation area.

A typical forest cabin (kit) of dark wood, 2 wood tables with 4 chairs fashioned from trunks, 12 dowels for use as seating or fencing, 2 waste receptacles, 4 large information boards (e.g. for forest education exhibits), 6 signposts, 2 wood barriers to control access to the forest trail, fodder crib, stand, different forest animals (squirrel, owl, rabbit, woodpecker), wood fence, wood trunks and roots, timber bridge, 3 woodpiles, well, outhouse, pond foil and cut-out sheet with many signs and displays. Includes detailed instructions and suggestions for arrangement.

Mini-Scenes

Prototypically arranged details ready to be added to your model railroad layout. Packaged in blister card.

H0 7665 Forest Cruiser

Includes: Toyota Land Cruiser imprinted with forestry management markings, trailer with logs, 2 forester figures, stumps, woodpile and mushrooms.

H0 7666 Animal Banquet

Includes: Forester's trailer with forestry management markings, table with dishes and seats, various wild animals, figure, sign, etc.

H0 7672 Up a tree...

Includes: Spruce with figure, wild boar, woodpile, ferns and mushrooms.

H0 7676 The Interrupted Funeral

Includes: Hearse, 2 figures, casket, bowl with rose arrangement, breakdown sign, tombstone, fuel can, 4-way lug nut wrench, etc.

H0 7678 Scooter Spill

Includes: Ambulance, 3 figures, motor scooter, and planter with rose arrangement.

H0 2871 Background "Forest"

Two-piece background (total size 198 x 34 cm). The forest theme be extended with the Busch backgrounds 2872 (landscape), 2873 (village) and 2874 (city) (additional background scenes can be attached on the left or right).

H0 1035 Log cabin

Kit for a super-detailed cabin built from bright “pine wood” based on a structure from the Black Forest. The door and the windows can be positioned either open or closed.

The gutter is “copper-plated” like the original. The walls have a fine wood structure (even on the inside). In the interior is a large, open fireplace (which can be illuminated with the Busch No. 5921 flickering fire accessory). Supplied complete with wood tables, wood chairs and a cut-out sheet with signs for different applications such as forest hut, kiosk etc. Size: 111 x 92 mm, 50 mm high.

H0 5407 Campfire & Grill

One can almost smell the sausages cooking ... „masonry“ fire pit with campfire, which is illuminated by 2 lamps and an electronics circuit. The grill is complete with small sausages and steaks. Includes wood table, 2 wood seats and 6 stumps which can be used as additional seating.

7593 Scenery Adhesive

Busch scenery adhesive was developed by model construction professionals especially for securing sand, crushed stone, grass flocking, and other scenery materials, etc. This low-viscosity adhesive has a very low surface tension. Different methods of use are possible:

1. The scenery adhesive can be thinly applied to the scenery base with a brush and then thin layers of sand or other materials can be applied. Because of the adhesive’s low surface tension the material doesn’t float on top, but sinks into the adhesive and is firmly secured to the base.
2. Drip the adhesive between plants (e.g. the shrubs corn plants or wheat ears) with the provided pipette and then add sand, soil or other scenery materials.
3. The perfect ballast adhesive: apply the crushed stone, gravel, etc. around the track and ties, arrange with a brush or tweezers accumulate and use the provided pipette to drip the adhesive onto the ballast. The adhesive flows between the stones and secures them firmly in place.

Busch Scenery adhesive dries clear and can be diluted with water. Supplied with convenient pipette. Contents: 125 ml.

H0 7528 Hardwood forest ground cover

The perfect material for a realistic forest floor: the mixture of sand, fine gravel and flocking material gives the appearance of soil and dry leaves. Contents: 300 ml

H0 7529 Coniferous forest ground cover

Special soil mixture from different materials such as sand, fine gravel, flocking material, etc., for the creation of a coniferous forest soil. The effect is - as the accompanying picture shows - absolutely true-to-life. Contents: 300 ml

Nature in Miniature.

25 different broad leaf and fruit trees with new foliage (including simulated leaves) at unbelievably low prices.

Flowered Tree	Fruit Tree	Apple Tree
Z 6813 ca. 35 mm, 2 pcs.	Z 6817 ca. 35 mm, 2 pcs.	
H0 TT 6843 ca. 75 mm, 2 pcs.	H0 TT 6847 ca. 75 mm, 2 pcs.	H0 TT 6848 ca. 75 mm, 2 pcs.
H0 6853 ca. 110 mm, 2 pcs.	H0 6857 ca. 110 mm, 2 pcs.	H0 6858 ca. 110 mm, 2 pcs.
Chestnut	Poplar	Birch
	H0 N TT 6933 ca. 90 mm, 2 pcs.	H0 N TT 6936 ca. 90 mm, 2 pcs.
	H0 N TT 6943 ca. 115, 2 pcs.	H0 TT 6946 ca. 115 mm, 2 pcs.
	H0 N TT 6953 ca. 150 mm, 2 pcs.	H0 6956 ca. 150 mm, 2 pcs.
H0 N TT 6961 ca. 180 mm, 1 pcs.		H0 6966 ca. 180 mm, 1 pcs.
Ash	Red Beech	Beech Z 6919 ca. 50 mm, 3 pcs.
		H0 N TT 6939 ca. 90 mm, 2 pcs.
		H0 TT 6949 ca. 115 mm, 2 pcs.
H0 6957 ca. 150 mm, 2 pcs.	H0 6958 ca. 150 mm, 2 pcs. ca. 150 mm, 2 pcs.	H0 6959
H0 6967 ca. 180 mm, 1 pcs.	H0 6968 ca. 180 mm, 1 pcs.	H0 6969 ca. 180 mm, 1 pcs.

Blossoming Landscapes – As promised!

This year Busch ensures that, at least for model railroaders, Helmut Kohl’s 1990 promise of “blossoming landscapes” comes true. Into H0 scale come lifelike roses, tulips and daisies. Blooms no longer have to be represented by colored ground foam or other materials, but whole flowers are prototypically reproduced using the most modern plastic injection molding technology: Delicate foliage on the stems of the appropriate flower types, practical bases for the safe attachment of the plants on model railroad layouts and dioramas as well as the accurate representation of the blooms in realistic colors.

H0 1205 120 Roses

Kit for 120 Roses in five different colors. Includes 20 “dirt piles” in which the rose stems can be arranged.

H0 1206 120 Tulips

Kit for 120 Tulips in five different colors (includes ground plates).

H0 1207 120 Oxeye Daisies

Kit for 120 Daisies (meadow flowers) in white and yellow (includes ground plates).

H0 1213 Cabbage and Lettuce

8 each red cabbage, white cabbage, cauliflower, broccoli and 16 heads of lettuce.

H0 1208 Flowerbox Set

Kit for 6 flower boxes with white, pink, red and blue flowers.

H0 1204 Wheatfield

Now – though it is hard to believe - there is even a wheat field in 1:87 scale. The wheat stems have fine leaves and thickened heads (grain). Approx. 50 plants are attached to a soil strip, so that planting a larger field is easy. „Wheat“ can be used also as dry grass e.g. along railway embankments, walls, fences etc.

Package includes: 100 cm² Wheatfield = over 5000 plants, ca. 10 mm high

H0 1049 Flower Shop

A small flower shop (kit) such as often can be found at cemeteries or market plazas. The large assortment of fittings, flowers and plants is remarkable. Planters and flowerboxes with realistic roses, tulips, daisies, sunflowers, etc., find their places on the sales counter and the included tables and benches. Trash cans, various tools, poster stands and cut-out sheet with typical flower-themed signs round out the kit. Includes detailed instructions with suggestions for arrangement.

H0 7185 Poppy Field

The poppy field is self-adhesive and can be cut to the desired shape with scissors or knife. Size ca. 290 x 180 mm.

H0 7186 Thistle Field

The thistle field is self-adhesive and can be cut to the desired shape with scissors or knife. Size ca. 290 x 180 mm.

H0 1004 Sex Shop

Sex sells ...

In keeping with the "human circus", the new Sex Shop is offered in 1:87 scale. This modern erotic department store attracts its trade with its loud colors and oversize advertising figure over the entry area. The elaborate printing of the large glass areas is particularly eye-catching at night when using the provided lighting components. Kit. Building size: 112 x 86 mm, 78 mm high.

H0 TT 1016 Concrete Wall

The concrete wall can be used to surround buildings, open plazas, etc., or as GDR border wall (e.g. in connection with the Busch No. 1015 Watch Tower). The wall consists of 12 mm broad and 35 mm high sections, which can be joined together. Overall length 57 cm. Supplied inclusive cut-out sheet with warning signs (border) and/or typical advertising posters and placards. The graffiti designs from the Busch set No. 6035 are ideal for additional decoration. The individual components correspond to the retaining wall elements type UL 12.41 of the „new“ wall of 1979/80 and the model also includes the typical concrete wall chamfers at the base. An original wall element is 3.6 m high, 1.2 m wide and weighs approx. 2.6 tonnes.

H0 1017 Wire Mesh Fence

The new wire mesh fence consists of a special fine aluminum lattice, which is just 0.1 mm thick and possesses a mesh size of only 1.2 mm. This gives the model an absolutely prototypical appearance. Package includes: 95 cm wire mesh fence material, ca. 25 mm high, 24 Round fence posts and 2 gates.

H0 5402 Office Set

4 desks with computer workstations (two with monitors illuminated by white LEDs). Detailed replicas of each keyboard and mouse on the tables were not forgotten. Supplied complete with 4 office chairs. Ready for installation using a 14-16V DC or AC power supply.

Painting and Weathering Aids

If you look at the various building models in this new items catalog, you will see they look very natural. Everything is prototypically matte, with accented masonry joints, visible wood grain, clearly delineated wall structures and roofing tiles and everywhere you can see traces of wear and dirt, which "hangs" on the walls. We were often asked how our model builders achieve these effects. We have now developed a series of special products to allow you to color and weather buildings, vehicles, etc., in such a way they will look even more like the real thing.

1700 Weathering Set

The new weathering set contains three matte liquid colors: black, sand-beige and verdigris, and dry powder pigments in three colors: black, dark-brown and loam/rust-brown. Supplied including 3 brushes and detailed instructions.

1701 Joint Paste

Ideal for highlighting wall joints, bricks, etc. Easy to use; just brush the joint paste on the wall with a brush. The joint paste remains in the recesses. Wipe off any excess paste with a soft, damp cloth. Allow to dry. Finished! Contents: 50 ml

Modelbuilders Matte Paints

The new Busch matte paints are acrylic colors developed for the specific requirements of model railroaders. With the eight coordinated colors one can cover the range of hues need for the layout and landscape gardening: prototypical gray tones for painting concrete and asphalt roads, sand-

beige and earth brown for rock and soil coloration, natural green for scenery bases, before ground cover materials or grass fibers are applied (this significantly improves the effect of the applied materials), water-blue for ponds and other bodies of water and brick-red, in order to accentuate building materials like clay roofing tiles on structures. All colors can be mixed, so any necessary intermediate colors can be created. With white matte paint to lighten colors as needed (lightened colors are to ideal for painting facades, masonry and other exterior walls, house walls, etc.).

The Busch matte paints have outstanding cover strength and dry to a realistic matte finish. They can be used on practically all materials: wood, plaster, papier-mâché and similar materials, plastic (including polystyrene), glass, metal, cardstock, ceramic(s), stone etc. Thin paints and clean up with water. Contents per bottle: 100 ml.

1702 White

For lightening other colors and a paint for walls.

1703 Concrete/Stone Gray

For streets and rocks.

1704 Asphalt Gray

The Busch asphalt road products are coordinated with this color.

1705 Sand Beige

For sandy soils, light-colored rock, etc.

1706 Earth Brown

For darker scenery bases, such as forests, etc.

1707 Natural Green

For scenery bases to which scatter materials, grass fibers, etc., in leafy tones are to be added. Nature-green is color coordinated with Busch May-green grass fibers.

1708 Water Blue

For water.

1709 Brick Red

For giving to building roofs a prototypical color tone. The effect is even more realistic if clay roofing tiles are aged with the colors from our Weathering set No. 1700.

Small Dioramas

Small stories based on the motto „That’s life“. In special collector case. Perfect for collecting or as a gift.

H0 7646 Dream High Time

Romantic scene with a white Mercedes 300 cabriolet, bridal couple and planters with rose arrangements.

H0 7658 Halloween 5

The Grim Reaper has turned a Mercedes SSK into a hot rod. Includes various ghostly figures, caskets and a special figure with a pumpkin head.

H0 7659 Merry Christmas X

For Santa Claus, who must deliver gifts in remote areas: a Toyota Land Cruiser with trailer and small gifts.

H0 1105 Old Street

Asphalt street with imprinted road damage, 66 mm wide, 1 m long.

Like all Busch road products, the „Old Street“ is self-adhesive, flexible and only 0.6 mm high (previously announced in 2005)

H0 6026 Camping Tents

This popular Busch product is now available in a new, improved version: 4 tents (with partial interiors), folding table and stool, life boat, air mattresses, campfires and direction sign. The new tents were manufactured with very precise production tooling so even the folds in the tarpaulins are now visible.

H0 1136 Refuse Set

16 refuse containers in assorted colors (garbage, bio-waste, old paper, etc.), 12 refuse bags, 3 trash receptacles, sand piles with barrows and various tools.

Pure Nature

Now also for N and TT model railroaders: The limits of the modelmaker’s art have been expanded with the new sunflowers.

N TT 8103 96 Sunflowers

Kit to make 96 sunflowers (includes bases).

N TT 8117 Wire Mesh Fence

The new wire mesh fence consists of a special superfine aluminum lattice, which is just 0.1 mm thick and possesses a mesh size of only 1.2 mm. Finally a prototypical wire fence is available in N scale.

Package includes: 60 cm wire mesh fence, ca. 16 mm high, and 32 round fence posts.

New - Mini-Scenes now also for N scale

Prototypically arranged details ready to be added to your model railroad layout. Packaged in blister card.

N 8250 Admiring the scenery

Includes: 2 figures, 1 deciduous tree, 1 fir and fence.

N 8251 High Times

Includes: Bridal couple, wedding car, flowering tree and lamp (non-functional).

N 8252 Parking offender

Includes: 2 figures, auto model, fence and 2 lamps (non-functional).

N 8253 Pumpkin Harvest

Includes: Pumpkin truck with load, 2 figures, pumpkin plants and tree.

N 8254 The Hitchhiker

Includes: Auto model, figure, sunflowers, tree and guard-rail.

N 8255 Campground

Includes: 2 figures, 3 tents, tree, etc.

H0 1800 Roll Test Stand

The roll test stand is used to “jack up” a locomotive. With the roll test stand current transfers from the rail to the wheels of the locomotive allowing them to turn freely while the locomotive remains stationary. The roll test stand is handy in the workshop for locomotive repairs, cleaning, oiling, or for displaying locomotives on bookshelves, etc.

This newly developed and patented roll test stand consists of three sets of roller supports each of which cradles an axle (all the axles of a locomotive do not have to be supported with roller supports). Two contact areas pick up current from the track and pass it to the wheels through the roller support casters. The roll supports can be made compatible with the Märklin® system by the use of additional contact springs (to be provided) and an additional neutral conductor contact. The roller supports are constructed of high-precision turned parts, which ensure smooth running properties and current transmission.

Technical Data:

Gauge: 16.5 mm (H0)

Minimum axle separation: 14 mm

Caster diameter: 6.5 mm

Clearance track upper edge to wheel: ca. 7 to 8 mm

Wheel support with 3 degrees of bevel after NEM

Size of each support: 14 x 22.5 x 9 mm (L x W x H)

In Co-Operation with Massoth

Realistic Sound “DRIVE”

Realistic sound „DRIVE“ is a new, very small digital decoder with sound for installation in H0 locomotives. It allows for simultaneous rendition of two driving noises (e.g. diesel engine and exhaust) and two auxiliary noises (via function keys or release of reed switches). The decoder recognizes automatically whether the system is operating in analog or digital mode. Current monitoring, load control and the control of 4 auxiliary functions (lamps, steam generator etc.) are standard. In addition, an automatic train control module is integrated with programmable stop time (e.g. in the station). Supplied with 23mm loudspeaker assembly and 3 resonators of different depths.

Technical Data:

Operating voltage: 5-27V, current to 1.2A; PW modulation, to 24 kHz (adjustable); 2 light outputs à 50 mA (dim-able); 2 function outputs à 100 mA (total value of current of all outputs 300 mA).

Automatic recognition of digital or analog operation; NMRA DCC and Motorola/Märklin®; 10239 programmable locomotive addresses; up to 128 drive positions (adjustable), current monitoring and digital load control (variable, disconnectible); Characteristics -, register and CV programming; processes F1 to F20. 1 connection for reed contact for the release of auxiliary noises and/or automatic train control module, 1 connection for wheel sensor; many functions digitally adjustable (auxiliary and condition noises, light etc.).

Sound: Power output 1 Watt (music); 4 sounds playable simultaneously; sound, volume and function outputs programmable; Loudspeaker disconnectible; adjustable driving sounds; 8 auxiliary sounds (triggered by reed contacts, function keys or random control); the sounds are filed in flash memory, so that they can be changed.

Size: 8.5 x 15.5 x 35.5 mm (incl. protective cover); Connection via NMRA interface (NEM 650/652), Firmware upgradeable.

H0 5775 Realistic Sound “DRIVE” Steam Locomotive

After switching on, one hears the steam hissing, a sound that continues until the sound system is switched off. While

driving the speed-dependent steam noises sound. With the function keys the following auxiliary noises can be called up: Whistle, brake noise, bell, water pump, generator, coal shovel or the conductor’s announcement: „Very honored passengers, please enter and the doors close...“.

H0 5776 Realistic Sound “DRIVE” Diesel Locomotive

When the voltage is switched on, first the compressor starts and afterwards the auxiliary diesel kicks in. Then the main diesel engine is started and runs in the no-load operation. As the locomotive starts up, the diesel engine sound rises accordingly. With change of the speed the diesel’s noise level changes, too. If the locomotive continues at a constant pace, the diesel noise goes into the no-load operation. The following auxiliary sounds are also available: Horn, brake noise, bell, compressor, auxiliary diesel, air discharge, warning signal (horn sounds three times).

H0 5777 Realistic Sound “DRIVE” Electric Locomotive

After switching on there is first the sounds of the main breakers. Next, the compressor starts. There’s a constant noise as the main blower always runs. When starting one hears the electric motor of the locomotive and this sound changes proportionally as the speed builds. In addition, you can select among the following auxiliary noises: Starting whistle, Pantograph noises, signal whistles, brake noises, station announcement, announcement in the railroad car, vacuum pump and compressor.

5789 DiMaX Funknavigator Wireless Controller

Radio hand controller includes sending and receiving elements for connecting to XpressNet® (Lenz®, Roco®), LocoNet® (Uhlenbrock®, Digitrax®, Fleischmann®) or Massoth® DCC bus protocols.

- Range 50m or more
- Bidirectional radio mode
- Large Display
- Complies with NMRA Standard 2005

Enjoy more freedom during the operation of your model railroad with the new DiMaX Radio Navigator. For the first time, a radio controller offers a functional range far beyond the operating limits of other wireless controllers, while still allowing simultaneous control of locomotive direction and

speed as well as operation of turnouts. The housing was ergonomically designed with an emphasis on perfect balance so it can be held comfortably during an entire operating session. The rotary speed control is lit. The large, illuminated display shows the accurate operating condition of the locomotives and a picture shows the locomotive’s direction. Up to 16 functions can be controlled per locomotive in compliance with the current NMRA standard (2005).

Technical data:

- Unique: Operation by radio and/or cable
- Range for radio operation 50m or more
- Radio operation with three alkaline batteries (alkaline or rechargeable batteries)
- Battery life with full operation approx. 48 hours (lighting can be switched off)
- Automatic shutoff function with standby in battery mode
- Charger function for rechargeable batteries with cable operation
- Detailed display of the battery charge
- Display of the radio operation by antenna symbol
- Signaling of radio interruptions on the display
- Configuration of the radio over the menu of the navigator
- Automatic registration without manual ID assignment
- Plug-and-Play-Ready
- Four selectable radio frequencies
- Always up-to-date by firmware updates over bus

In Co-Operation mit Massoth

We reserve the right to change product specifications, including color, materials and contents without notice and without incurring any obligation whatsoever. Some of the items shown in this catalog are prototypes or pre-production samples. Final products may vary from the illustrations. Some illustrations contain decorative details such as figures, vehicles, and trees etc., which are not included with the product.

Busch GmbH & Co. KG
Heidelberger Straße 26, D-68519 Viernheim
www.busch-model.com

Tel. 0 62 04 – 60 07 10, Fax 0 62 04 – 60 07 19
E-Mail: info@busch-model.com