

# märklin

## INSIDER CLUB news

THE MAGAZINE FOR CLUB MEMBERS

01.2016

# Giant of the mountain climbers in H0: Club model 95 006



### TOP TECHNOLOGY 2016

Highlights of the Club models in H0 and Z  
In detail: All about the 2016 Annual Cars

### CLUB EXCLUSIVE

Overview: Seminar dates first half-year 2016  
Collector's model: Magirus-Deutz curved hood



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Impressive: Tank loco 80 031 as Z-Club model for 2016 is packed with refinements. Not only that, the exclusive new tooling will be taking up residence in Club members' loco depots along with a five-car set of coal freight trains.

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Unique: The 2016 Annual Cars introduce themselves. The H0 Annual Car from era III celebrates the quinqucentenary of the German Purity Law for breweries – the refrigerated beer car is privately owned by the Weißenstephan Bavarian State Brewery, the oldest brewery in Germany which is still operating. In Z gauge with the Eanos-x052 (pictured) Märklin is producing an era V gondola as a completely new tooling.



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Fascinating: The curved motor hood was its trademark: Märklin is now producing the Magirus-Deutz truck with rotary crane as an exclusive metal vehicle.

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Outstanding: Details, sound and light functions: the massive tank loco 95 006 as the exclusive 2016 H0 Club model with its mfx+ decoder has got it all. And the matching seven-car freight set is very special too.

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The exclusive H0 2016 Annual Car is a refrigerated beer car owned by the Weihenstephan Brewery celebrating the 500th anniversary of the German Purity Law for beer.

# Dear Märklin Insiders,

Once again the current issue devotes itself to the Club models for 2016. Märklin documentarists tell us about the details of classes and the design features of the models – this applies just as much to the H0 steam loco 95 006 and her seven-piece set of boxcars as it does to the Z-consist with its tank loco 80 031 and her five coal wagons. Details of the class 95 “Queen of the mountains” are also shown on the back cover of this issue. The model section rounds off with a display of the promotional models produced.

No new Club year without an attractive Annual Car, and to start this year off, we introduce this year’s exclusive models on our poster page “Technology in Detail”. The H0 Annual Car as a privately-owned Weihenstephan refrigerated beer car recalls the year 1516 when the German Purity Law for beer was enacted, and for Z-gauge operators the long gondola Eanos-x052 will be produced as a new tooling. Märklin is also continuing a second tradition: Sporadically since 2007, metal vehicles have been produced exclusively for Insiders; now it is the Magirus-Deutz curved hood with fire department rotary crane.

Many like to plan long-term at the start of the year and we help with a list of the popular seminars run by Märklin in the first half of 2016. Expert trainers pass on their treasure trove of experience for layout planning, decoder fitting and settings and controls using the Central Station. If you have a question which can be answered quickly, you should head for one of the digital info days and discuss it with the trainer at the retailers on the spot. There are also tips for planning your journey: the Club has won a number of further cooperation partners. Enjoy reading your Club News!

## YOUR INSIDER CLUB TEAM

## YOUR SERVICE NUMBERS

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The Club hotline is the central contact point for:

- ▀ Technical questions about Märklin products
- ▀ Information on current events at Märklin
- ▀ Seeking spare parts
- ▀ Inquiries on the status of a repair you have sent in

#### Internet

[www.maerklin.de](http://www.maerklin.de)  
[club.maerklin.de](http://club.maerklin.de)

#### Are you moving?

Please inform us in good time of your new address so we will know where we can reach you. A simple application to the post office to forward mail is unfortunately not enough.  
Thanks for your cooperation!

## MASTHEAD

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The following enclosures are in the Club mailing 01/2016: Märklin Insider News 01/2016, Märklin Magazin 01/2016, Märklin New Items brochure for 2016, order form for the Annual Car for 2016 and Magirus-Deutz curved hood 18039.

## CLUB YEAR 2016 AND EXHIBITIONS

# A year with Märklin

**C**lub year 2016 is under way – at the Nuremberg International Toy Fair (January 27 to February 1, 2016) the 2016 Club models will be introduced to the trade visitors for the first time. Following this, the new Märklin products will be taken to appear at Faszination Modellbahn (www.faszination-modellbahn.com), taking place in Sinsheim from March 4 to 6, 2016. Here Club members enjoy a reduced entry fee on presenting their Club cards. At the On traXS! model railroad exhibition from March 11 to 13, 2016 in

the Dutch railroad museum 'Het Spoorwegmuseum' in Utrecht (www.spoorwegmuseum.nl), Club members with a coupon (obtained from www.maerklin.nl) pay only 12.00 euro entrance instead of 16.00 euro. Intermodellbau Dortmund takes place from April 20 to 24, 2016. The Club team will be at the exhibition to welcome Club members. In the exhibition's online shop (www.intermodellbau.de), reduced Print@Home-entry tickets are again available for Club members (at 10.00 euro instead of 12.00 euro). The code to be entered in the online shop is **IB2016Maerklin** (note capitalization).

## Mailings 2016\*

Issue	Publication date	Märklin Magazin/Club News plus the following enclosures:
1	End of January	New Items brochure 2016 Order form for: - Annual Cars 2016 in H0 and Z - Model Magirus-Deutz curved hood truck (item 18039)
2	Start of April	Order form for anniversary models
3	Start of June	DVD "A year with Märklin" I Order form for: - Catalog 2016/2017 - Club model II 2016 - Annual Car Märklin Start up Club (H0)
4	Start of August	
5	Start of October	New Items for Fall brochure
6	Start of December	DVD "A year with Märklin" II Order form for: - Club model 2017 in H0 and Z

\*The right to make alterations is reserved. Please note the precise dates in the respective current issue. The order form for 2016 Club models was sent out with the Club mailing 06/2015.



Photo: Modelspoormuseum

A trip to the Netherlands: In Sneek there are models and exhibition layouts on show.

## New Club cooperation partner

The Club has secured the popular Dutch Nationaal Modelspoor Museum in Sneek, near the IJsselmeer, as a Club cooperation partner. A large collection of railroad models and also classic H0 layouts of Märklin and Trix can be seen here, as well as a mountain model railroad in H0 and an LGB layout which has the RhB as its subject and also an N-gauge layout. The Modelspoor Museum will be found in the station Sneek Centraal (Dr. Bouma-weg 17b, 8601 GM Sneek, the Netherlands, telephone: +41 (0) 515/430 021, e-mail: museum@modelspoormuseum.nl, www.modelspoormuseum.nl). It is open Tuesdays to Sundays from 1:00 p.m. to 5:00 p.m., Saturdays it opens at 10:00 a.m. **Club members receive a reduction on the entrance fee on presenting their Club card.** Three further Club cooperation partners will be found from page 18, and a complete list of Club partners is in the Club area (see Download) under maerklin.de

## Exhibition of model building kits

In the Alten Schloss (ancient castle) in Hechingen, the Hohenzollerische Landesmuseum presents its art treasures, and until February 21, there is also a special exhibition "planen-bauen-spielen – Metallbaukästen aus aller Welt" ("Planning – building – playing: metal kit-building from around the world") covering over a century of metal building kits from the collection of Klaus-Peter Maus. **Club members receive a reduction on admission presenting their Club card, paying the group price of 2 euro.** Opening times of the exhibition until February 21, 2016 are from Wednesday to Sunday and on public holidays from 2:00 p.m. to 5:00 p.m. Hohenzollerisches Landesmuseum, Schlossplatz 5, 72379 Hechingen, Germany, telephone: +49 (0) 74 71/62 18 47, e-mail: info@hzl-museum.de, www.hzl-museum.de


## Software updates

Not all model railroaders have their Central Station 2 in a network with Internet access, which is required for carrying out the built-in update function. So that your Central Station 2 has the latest software, since September 21, 2015, online update version 4.1.0 (3) has been available. Updating the Mobile Station is carried out by connecting it to a Central Station 2. Information under maerklin.com (Service/Software-Update).




Holiday with the "Blauer Pfeil" ("Blue Arrow"): In June 2016, Club members will be exploring the Montreux and Bernese Oberland region, taking in cog-railroads too.

## Club trip to Switzerland with luxury and panorama cars

Experience the Swiss Alps close to – this is the delight offered by the Montreux-Oberland-Bahn (MOB) to its passengers with luxury and panorama cars. The Club is following the call of the Alps with the first Club trip of 2016 in the best time for a holiday from June 22 to 26, 2016. To start, we travel stylishly as in 1938 in the "Blauer Pfeil" ("Blue Arrow") of the BLS from Interlaken to Zweisimmen. Here we learn how the MOB transfers the Trans GoldenPass from one gauge to the other: The cars have to be regauged from meter gauge to standard gauge to allow passengers to travel between Interlaken and Montreux without changing trains. From our four-star hotel by lake Geneva, we travel with the rack railroad to the Sternenberg Les Pléiades and the Mürren-Rochers-de-Nayé, and a further special trip is devoted to the museum line between Blonay and Chamby, which houses the biggest collection of meter-gauge vehicles in the Alps. The MOB is even opening the doors of its workshops specially for Club members. One highlight will certainly be the special trip on the MOB line. This is planned to be a train with the first panorama car, put into service 40 years ago, a panorama car of the latest generation and a car with opening windows for photographers and filmers. Photo stops will make this railroad experience day on the GoldenPass Line truly unforgettable. And as usual, there will a Märklin representative to accompany the Club members. 

## Certificates for 2015 are dispatched

As promised, the personalized Certificates of Authenticity for the 2015 Club models and anniversarists' models were sent out at the end of December 2015 direct to those who ordered them. There are certificates for the H0 model 18 537 (item 39030), the class 403/404 express electric railcar (37779) and the loco with a condensing tender 53 0012 (37020) and the anniversarists' models class 05 (39052) and class 10 (37082); in Z-gauge, the class 96 Mallet steam freight tank loco BR 96 (88294) and the class 05 anniversarists' model (88107) – unfortunately, delivery of the twin class 236 diesel loco (88770) has been delayed and the certificate will be sent at the appropriate time. Please note that for certificate dispatches, all orders received up to December 11, 2015 have been taken into account. Should you not have received the personalized certificate for your model, please contact the Club team either by phone or e-mail. Tel.: + 49 (0) 71 61/608-213, e-mail: insider-club@maerklin.com 

**Club trip from June  
22 to 26, 2016**

## Price includes

- ✦ Rail ticket 2nd class from your local DB station to Interlaken, returning from Montreux
- ✦ 1 x overnight in a \*\*\* hotel in Interlaken, 3 x overnights in a \*\*\*\* hotel by Lake Geneva, each with breakfast and evening meal
- ✦ Special train trip in the "Blauer Pfeil" ("Blue Arrow")
- ✦ Special train on the Blonay–Chamby Museum railroad
- ✦ Special train on the Montreux-Oberland-Bahn
- ✦ Steamer trip on the Vierwaldstättersee
- ✦ All further rail journeys and excursions described
- ✦ Tour of the MOB depot
- ✦ Trip accompanied by a Märklin representative and supervised by Bahnreisen Sutter (planned Gregor Sutter)
- ✦ Exhaustive information material

## Price per person:

Double/twin room 1,690 euro / single 1,890 euro. Supplement for 1st class rail travel out to Interlaken, returning from Montreux: 160 euro

On quoting their membership number, Club members receive a discount of 5 % on the cost of the trip. When registering, please submit either a scan or a copy by letter of your membership card – not a fax. The reduction only applies to the member personally.

Only written applications are accepted.

## Number of participants:

Minimum number of participants 28, maximum 40.

If the minimum number is not reached, the trip will be canceled no later than one month before scheduled departure – see our General Conditions. We reserve the right to make short-notice alterations to the program or motive power if caused by technical problems.

**Information on booking: Bahnreisen Sutter,  
Sickingen Strasse 10 a, 79856 Hinterzarten, Germany**

**Application forms can be obtained under:**


**Tel.: +49 (0) 76 52/91 75 81,**

**fax: +49 (0) 76 52/91 75 82**

**E-Mail: info@bahnreisen-sutter.de**

**Internet: www.bahnen.info**

## The Club subscription remains unchanged


For three years now, model railroaders have paid the same for the Märklin Magazin, and now an increase has been forced on us. The cost of paper has increased, and now postal charges have gone up (see also the editorial Märklin Magazin 01/2016). Even so, the biggest-selling magazine in the model railroad world still counts as one of the most affordable publications of its type at the kiosk. The good news for Club members is that the Club subscription remains unchanged. So that's another reason for joining the Märklin Insider Club: As part of your membership benefits, you get Märklin Magazin every two months and not only that, it's delivered to your door! 



# Highlights of the Club model 95 006

The “Bergkönigin” (“Queen of the Mountains”) 95 006 is an elegant colossus – tubes and pipes run over the metal of the boiler, enormous water tanks contrast with the filigree valve gear of the exclusive 2016 Club model in H0. There is also a freight car set to go with the mighty tank loco.






**I**n terms of railroad history, much fundamental design progress is associated with the class 95. One feature the designers continued to move away from was the traditional squat shape. “Due to the large diameter of the boiler required for the power output, the boiler had to be pitched high – its center was 3,100 mm (10'2") above top of rail, which was a measurement retained for the 01 and 03 classes”, as Märklin documentarist Dr. Andreas Röntzsch tells us. “And as far as adhesion weight and weight in working order are concerned, a line of development was followed from the powerful 2-10-2 tank engine to the heavy freight locos of the 43 and 44 classes as well as to the 84s and 85s”.

So for Karl-Heinz Grässle, Product manager H0 at Märklin, tank engine 95 006, so enthusiastically received by Club members with its mfx+ digital decoder, represents a typical Club model. “As a popular class of outstanding significance, she is for Märklin an extension to the range, an exclusive new tooling and is fully equipped with light functions and the classic sound repertoire of a steam locomotive”. Apart from this, the ‘Queen of the mountains’, despite her gigantic presence as a ten-coupled loco, makes a very elegant impression with her long water tanks. The detailing also makes a great contribution to the realistic impression she creates, says Karl-Heinz Grässle: “There are grab-irons on the bunker, the water tanks and the smokebox door, and rivets are modeled where rivets belong. Pipework and fall-pipes decorate the boiler and there are ladders separately applied to the bunker”. Full use is made of the space inside the metal loco – only the engineer’s cab is plastic: “The motor in the boiler drives one axle through a worm gear, and the other driving wheels are driven by the connecting rods. And the decoder is tucked away under the cab”.

## “The class 95 mountaineer is popular with Club members”.

There are plenty of details to be discovered on the realistically-modeled mountain specialist (see also page 24). “The by-pass, located separately on top of the cylinders, is not very conspicuous – and in fact the fitting is of great importance on the real thing”, says railroad historian Andreas Röntzsch by way of example. “If a steam loco is coasting, a vacuum is created in the cylinders. Without the by-pass, air would be sucked from the smokebox into the cylinders and with it, ash, which would destroy the oil-film for the pistons in the cylinder liners and the machine would soon be a failure”. Originally, the coasting by-pass was hidden in a casing. “However, we are producing the model as it was running in 1953, after the by-pass had had its casing removed”. Of note is also the equalizer pipe under the boiler.







Work ennobles the soul: "Queen of the Mountains" 95 006 towing her seven freight cars – the 2016 Club models make a superb picture.

→ "The water crane filled the loco's tank on the left hand side for instance, then water flowed through the equalizer pipe into the tank on the right and to the rear". And the two air pumps were needed, according to Dr. Andreas Röntzsch, because the brakes on the freight trains, which were very long in those days, used a great deal of air: "Brake couplings were not always absolutely tight and any loss of pressure had to be compensated very quickly".

"To round off the Club model 2016, we have produced at the same time an exclusive freight car set", continues H0-Product Manager Karl-Heinz Grässle. "With the five G 10 boxcars and the Glt Dresden and Gr Kassel types we have put a varied consist together". And in truth, it's more varied than it looks at first sight. "Common to all the cars is the boxcar body with the riveted frame and horizontal planking", explains Märklin documentarist Thomas Landwehr. Gr 20 and Glt 23, with their barrel roofs, differ from the G10 'association' type cars with their elliptical roofs. "And of the latter type there are cars without brakeman's cab, with standard and shortened cab, and on one of them it's

been removed altogether", continues the freight car expert, listing the differences. "On the shortened cab, the casing with the handbrake wheel projects above the car roof because there was no room for it to be sited in the brakeman's cab". The inscriptions turn out to be really exciting. "We are playing with cars as they were running in the early 1950s – that was a time of transition, so we have cars with DR markings and zone identities, cars belonging to the Saarland railroad administration and cars of the German Federal Railroad". Thus the exclusive set of cars tells the story of the G10 cars, according to Product Manager Karl-Heinz Grässle, "and the shortened cab on the G 10 is new to Märklin and the first production is being made exclusively for our Club members".

*Text: Rochus Rademacher; Photos: Märklin, Claus Rudolph*



Information on the exclusive Club models 39095 (95 006) and 48827 (Freight Car Set) can also be found online in the Club area (see Club-Modelle) under [maerklin.de](http://maerklin.de)

## Notes on ordering

The class 95 H0 Steam Tank Locomotive (item 39095) and the matching Freight Car Set (item 48827) will be produced in 2016 in a once-only series exclusively for Club members. The order form for the models was sent out with issue 6/2015. If it has been mislaid, or if you only just joined the Club, you are welcome to ask our Club team to send you a copy or you can also order directly through your specialist

retailer using your Club card. We expressly remind you that order forms are not transferable. **Closing date for orders is April 30, 2016.** Deliveries are scheduled to start from quarter 2 (Car Set: quarter 3), 2016. At the end of 2016, it is planned to send out directly personalized Certificates of Authenticity to those who have ordered the steam tank locomotive 95 006.

**Closing date  
for orders:  
April 30, 2016**

Exclusive and unique: The seven freight cars in the car set to match 95 006 differ in type, brake system and – typical for the early 1950s – in their inscriptions. In addition, the vehicles, with their fine engraving, look vivid and absolutely realistic.

Gr Kassel, DR Brit-US zone 81315

G10 with shortened brakeman's cab  
DB 146 215

G10 with brakeman's cab  
DB 134 587





**Closing date  
for orders:  
April 30, 2016**

### 39095 Class 95.0 Freight Tank Locomotive



**Prototype:** German Federal Railroad (DB) class 95.0 (former Prussian T20) freight tank locomotive. Version with 3 domes, welded water tanks without rivets and with openings, and German State Railroad lanterns. Road number 95 006. The locomotive looks as it did around 1953.

**Model:** The locomotive has an mfx+ digital decoder and extensive sound functions. It also has controlled high-efficiency propulsion with a flywheel, mounted in the boiler. 5 axles powered. Traction tires. The locomotive is constructed chiefly of metal. A 7226 smoke unit is included. The dual headlights change over with the direction of travel. They and the smoke unit contact will work in conventional operation and can be controlled digitally. In addition, the cab lighting can be controlled digitally. Maintenance-free, warm white LEDs are used for the lighting. There is a close coupler with an NEM pocket and a guide mechanism at both ends of the locomotive. The minimum radius for operation is 360 mm (14-3/16"). Piston rod protection sleeves, brake hoses, and a smoke unit are included. Length over the buffers 17.4 cm (6-7/8").

#### Model highlights

- Completely new tooling
- Especially finely executed metal construction
- Partially open bar frame and many separately applied details
- In addition, the cab lighting can be controlled digitally
- Smoke unit included from the factory

Digital Functions	Control Unit 6021	Mobile Station 60652	Mobile Station 2 60653	Central Station 60215
Headlight(s)	●	●	●	●
Smoke generator contact	●	●	●	●
Steam locomotive op. sounds	●	●	●	●
Locomotive whistle	●	●	●	●
Direct control	●	●	●	●
Sound of squealing brakes off	-	●	●	●
Engineer's cab lighting	-	●	●	●
Bell	-	●	●	●
Letting off Steam	-	●	●	●
Sound of coal being shoveled	-	-	●	●
Grate Shaken	-	-	●	●
Air Pump	-	-	●	●
Water Pump	-	-	●	●
Injectors	-	-	●	●
Switching maneuver	-	-	●	●

- mfx+ World of Operation decoder and extensive operation and sound functions
- For still more operating enjoyment in the Märklin "World of Operation"

**Price\*: 399.99 Euro (419.95 CHF, 439.99 USD)**

\*recommended retail price

### 48827 Freight Car Set



**Prototype:** 7 different design German Federal Railroad (DB) boxcars. Of them 5 type G 10 Association Design freight cars, 2 of them with "Economy" brakeman's cabs, 1 of them with a standard brakeman's cab. 1 of them with the brakeman's cab removed, 1 of them without a brakeman's cab and 1 of them without a brakeman's platform. 1 type Glt 23 (Glt Dresden) Interchange Design freight car with a low door on the end wall. 1 type Gr 20 (Gr Kassel) Interchange Design freight car without a hand brake. The cars look as they did in the mid-Fifties.

**Model:** All of the cars have different car numbers. The type G 10 and Gr 20 freight cars have sliding doors that can be opened. The type Glt 23 freight car has truss rods and additional running boards. Total length over the buffers 80 cm (31-1/2"). DC wheel set E700580.

**Price\*: 199.99 euro (209.95 CHF, 219.99 USD)**

\*recommended retail price

G 10 without brakeman's cab  
DR Brit-US zone München, 11 859

G 10, brakeman's cab removed  
EUROP SAAR 11 265

Glt Dresden, DB 195 263

G 10 with shortened brakeman's cab  
DR Brit-US zone 121 493



**CLUB MODEL 2016 IN Z: FREIGHT TRAIN FOR COAL TRANSPORT WITH NEW TOOLING OF THE CLASS 80**

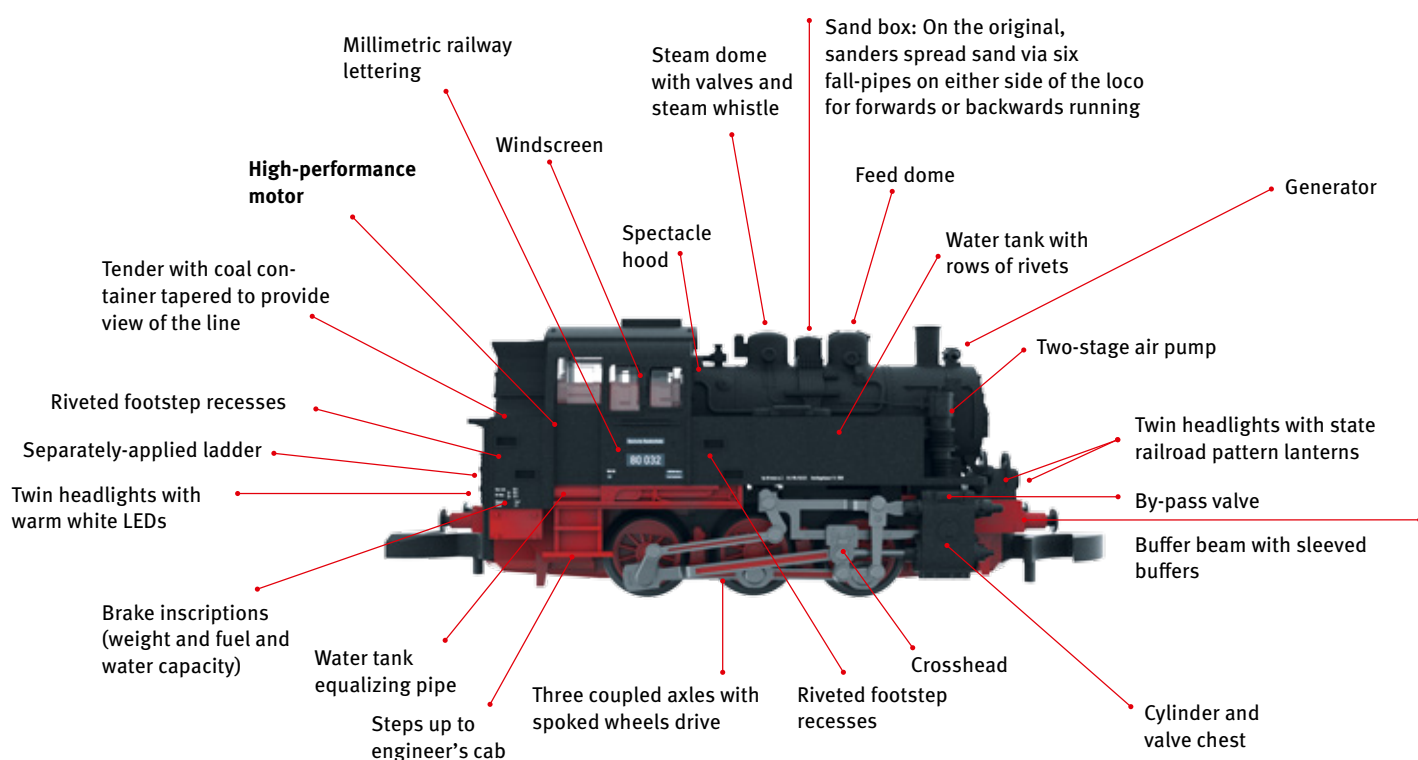
# Fine metalwork

Tactile quality – that characterizes the metal superstructure of the steam tank loco 80 032 in the exclusive Club model freight train in Z-gauge for 2016. At the same time, the weight ensures the switcher has ample adhesion for its five freight cars loaded with coal.

**T**he nickname “Bulli” (Little bull) suits the class 80 tank loco in two ways: firstly on account of its compact form and secondly on account of its power – which is so necessary for a switcher. “That applies to the 2016 Club model too – after all, we are setting up 80 032 in era III as motive power for a coal train”, says Jürgen Faulhaber, Product Manager Z at Märklin, describing the idea of the train being produced exclusively for Club members. Originally it was intended to use 80 031 as the prototype (see Club News 06/2015), but her sister 80 032 with her DR-charm – no DB-logo and with twin headlights – matches the coal gondolas of around 1954 better. “The six-coupled loco is naturally an all-new tooling, and will be produced in metal. The five gondolas of types O 10 and O 11 with

modeled side doors underline the realistic modeling of 80 032 with fine engraving, coloring and details all slightly different”. Since the real coal load inserts are removable, Club members can authentically load the cars with any other type of freight not sensitive to the weather that they like, such as other bulk freight like ballast or steel scrap etc. Until 1958, 80 032 was allocated to Schweinfurt depot, then she was sold to the Ilseder Ash Recycling Plant, to become ISV2.

With its high level of detailing, all the important design elements of the tank loco can be seen on the Club model. “On the crown of the boiler in front of the smoke stack is the generator, then behind it come feed dome with steam injector, sand box with six fall-pipes either side of the boiler, for running in both



It's all there: Superstructure and running gear for the Club model 2016 in Z are of metal – sumptuous details characterize the class 80 tank loco.

Picture: 3-D model from design data





directions, then the stem dome with valves and finally the steam whistle”, says Märklin documentarist Dr. Andreas Röntzsch. “On the side of the smokebox there is a two-stage air pump and on the cylinder there sits a by-pass valve which on the original was to prevent dirty air being sucked into the cylinders with ash from the smokebox”. The water supply has a surprise in store too: On the prototype, water is not only stored in the tanks alongside the boiler, but also beneath the coal bunker. “Directly underneath the engineer’s cab an equalizing pipe runs to connect the tanks”, the railroad historian tells us, and he points out the functional, finely-modeled rod: “One striking feature is the large counterweight on the driving wheels under the cab – this was needed to compensate for the weight of the connecting rods. The other wheels didn’t need such large counterweights”.

#### A variegated Z-gauge train consist for the Club

“We also model the brakes, there are ladders on the back of the bunker, steps up to the engineer’s cab and to the buffer beam”, as Z-gauge Product Manager Jürgen Faulhaber says, continuing his description of the loco, also fitted with a high-performance motor. Play value in switching work and on the main line is enhanced by the LED headlights, which change ends with direction of travel. The product manager takes good care to provide variety in these exclusive train consists for the Club members: “In 2013 it was the long-distance express ‘Blauer Enzian’ (Blue gentian) with the V 200 diesel loco, then in 2014, a class 64 steam loco had standard passenger cars in tow, and in 2016, 80 032 is in charge of five freight cars”.

*Text: RR/photos: Carl Bellingrodt/Asmus coll., Märklin*

#### 81352 Freight Train for Coal Transport Consisting of a Class 80 Steam Locomotive and 5 Gondolas



**Prototype:** Class 80 steam tank locomotive (so-called “Bulli” / “Little Bull”, road number 80 032) and 5 type O 10/O 11 gondolas. Of them 4 type O 11 cars, of them 1 car with a brakeman’s cab and 3 cars without a brakeman’s cab, and 1 type O 10 Association Design gondola without a brakeman’s cab. DB locomotive and cars from Era III, used to transport coal.

**Model:** The model of the class 80 steam locomotive is completely new tooling, extremely finely detailed and manufactured of metal. The locomotive has a built-in, powerful motor and LED headlights that change over with the direction of travel. It also has finely modelled, complete, working valve gear. The locomotive also models imitations of the brakes, rail clearance devices, and larger buffer plates. The cars have removable load inserts with real coal. The locomotive and cars have correct, finely executed paint schemes. The wheels are black nickel-plated. The models are not available separately. Length over the buffers approximately 245 mm / 9-5/8”.

#### Model highlights

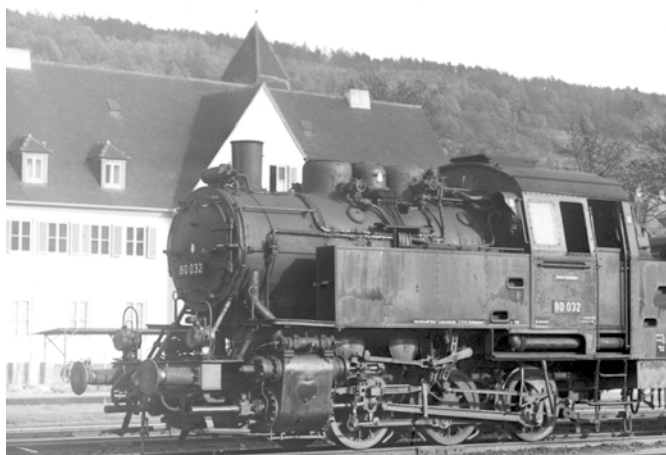
- Locomotive as completely new tooling
- Frame and body constructed of metal
- LED headlights
- Finely detailed, working valve gear
- Brake shoes are modelled
- Newest generation of a powerful motor
- All five freight cars feature a cargo insert (real coal)

Price\*: 279.99 EUR (299.95 CHF/309.99 USD)

\*recommended retail price



Information on the freight train item 81352 as a 2016 Club model in Z-gauge will also be found online in the Club areas (see Club Models) under [maerklin.de](http://maerklin.de)



Motive power of the Club freight train: The six-coupled switcher tank loco 80 032 – here its prototype in Gemünden depot – is an all-new tooling in Z with metal body and running gear. It will be produced in 2016 exclusively for Club members.

**Closing date for orders:  
April 30, 2016**

### And this is how to get your hands on your Club model

The Club model coal transport freight train item no. 81352 in Z-gauge will be produced in 2016 as a once-only series exclusively for insider members. The order form for the model was sent out with issue 6/2015. If it has been mislaid, or if you only just joined the Club, you are welcome to ask our Club team to send you a copy or you can also order directly through your specialist retailer using your Club card. We expressly state that order forms are not transferable.

**Important: The closing date for orders is April 30, 2016.** Deliveries are scheduled to take place in quarter 4, 2016. At the end of 2016, it is planned to send out personalized Certificates of Authenticity directly to those who have ordered the Club model of the freight train.

# Technology in detail

As Annual Cars for 2016, Märklin is producing two attractive freight cars in exclusive once-only series: The refrigerated beer car for the Weißenstephan Brewery is for H0 operators, while the four-axle gondola Eanos-x052 is reserved for Z-gauge enthusiasts.

**New tooling:** The open freight car of type Eanos-x 052 (gondola) in Z-gauge is a completely new tooling, and is exclusively for Club members. It differs substantially from the four-axle gondola of type Eaos, such as the track cleaning car Z item 86501: The Eanos-x052 is longer and thus has a greater volumetric capacity (21794 US gallons) and higher loading capacity.



**Type:** The Eanos-x gondola is used to transport bulk freight such as stone or coal, scrap iron and steel. In 1987/1988, the DB procured 300 cars of type Eanos 052. In 1994, the DB had a further 250 cars fitted with Y 25 trucks built. From 1994, all Eanos 052 were reclassified Eanos-x 052. The “x” indicates that the car is fitted with a steel floor.

## 80326 Z-Gauge Insider Annual Car for 2016



**Prototype:** German Railroad, Inc. (DB AG) type Eanos-x 052 4-axle gondola with type Y 25 trucks.

**Model:** This car is completely new tooling. The car body is made of finely detailed and imprinted plastic and is prototypically lettered. The car is lightly weathered. It has type Y 25 trucks with close coupler hooks.

### Model highlights

- ✓ New tooling
- ✓ Lightly weathered

Length over the buffers approximately 84 mm / 3-5/16”.



Black nickel-plated disc wheels

On each side, two twin-leaf swing doors for loading and unloading

Compressed air reservoir

Short coupling hooks

Z Shown in actual size



Y25 truck: French trucks are designated with a “Y” and a two figure number following it. Even numbers are reserved for passenger-carrying stock, and odd numbers for freight cars. Today, the Y 25 is the commonest freight car truck in Europe. The truck frame is a welded construction consisting of two longitudinal members and a transverse beam, complemented by bearers for carrying the brake components.





The refrigerated beer car was originally to protect against heat and designed on the basis of boxcar drawing A2 of the Freight Car Association of German Provincial Railroads. Introduction of the compressed air brake made the handbrake redundant: The brakeman's cab was accordingly removed, which explains the projecting chassis and the widely-spaced inner braces on the car end.



With the H0 Annual Car 2016, the Märklin Insider Club is celebrating the 500th anniversary of the German Purity Law for breweries. It is a beer car privately owned by the Bavarian State brewery Weihenstephan of Freising, the oldest operational brewery in the world. In 2015 the Weihenstephan brewers won prizes at the World Beer Awards, the International Beer Challenge and also the European Beer Star. In academic circles the brewery is regarded as a model business – and it is surrounded by the Munich Technical University campus.

H0

Shown in actual size

On both sides beneath the doors there is a step mounted on the chassis.

The two white corner strips on the corner upright are markings for the freight train compressed-air brake. They are black on white ground for improved legibility.

The grey-white (RAL 9002) body paneling consists of vertical tongued- and-grooved planks, and on the prototype is bolted to the framework of the body shell.

Grab iron (above) and footstep (below) for the shunter

Conversion: There are special wheel sets for DC operators (E700270).

**Closing date for orders:**  
**30 April, 2016**

## Notes on ordering

The two Annual Cars are only available to Club members, and are free of charge within the terms of Club membership.

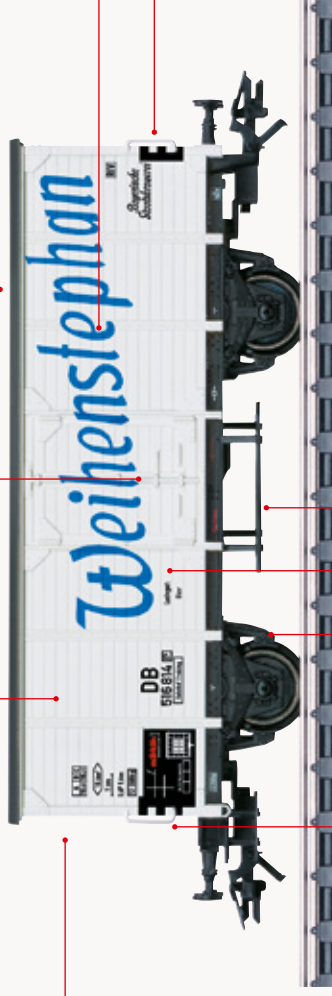
Enclosed with this issue of the Insider-Club News is an order form for the Insider Annual Cars 2016. On the form is printed the gauge of your choice, H0 or Z, together with the corresponding item number. Should this be incorrect, or should it have been altered, please strike out the details printed and enter the other gauge together with the item number. In principle, you can alter the scale for your Annual Car online in the Club area (see My Club – Preferences) under [maerklin.de](http://maerklin.de).

The exclusive nature of these cars does not permit more than one example or more than one gauge to be supplied, even at an appropriate extra cost.

You can submit the order form to your Märklin MHI retailer until **April 30, 2016**.  
**Delivery of the Annual Cars is scheduled for quarter 4, 2016.**

Twin-leaf outward-opening swing doors on the original, in refrigerator car design

Flattened curved roof



### 48166 H0 Insider Annual Car for 2016



**Prototype:** Two-axle boxcar as a beer refrigerator car with the brakeman's stand removed. Privately owned car painted and lettered for the Bavarian State Brewery Weihenstephan, Freising, Germany, used on the German Federal Railroad (DB). The car looks as it did around 1961.

**Model:** The side walls model a vertical board structure. The car has non-opening refrigeration area doors. Length over the buffers 10.6 cm / 4-3/16". DC wheel set E700270.

#### Model highlight

Celebrates the 500th anniversary of the German Purity Law for breweries



Information on the Club models can also be found online in the Club area (see Club-Modelle) under [maerklin.de](http://maerklin.de)



Flame-red collector's item: The 2016 model of the Magirus-Deutz curved hood truck with a functioning rotary crane to be produced exclusively for Insider Club members is 16 cm (6-5/16") long.

EXCLUSIVELY FOR INSIDERS: MAGIRUS CURVED HOOD WITH A FIRE DEPARTMENT ROTARY CRANE

# Bullnose with boom

The curved hood of Magirus-Deutz certainly has one of the most striking faces of all trucks – and with the rotary crane superstructure, it's a real wow! Märklin is producing the metal vehicle in 2016 exclusively for the Club.

**A**s an icon of industrial designs in the 1950s, the V 200 has a special aura to this day with its curves. "Two years earlier, in 1951, Magirus-Deutz had already presented their famous curved hood truck – a design which was to have a great influence right into the 1970s", is how Jürgen Faulhaber, Product Manager Z and gauge 1 at Märklin, classifies the "bullnose" appearance, combining innovation and a desire for esthetics. Magirus started building firefighting vehicles in Ulm, Germany in 1864, later using diesel motors by Humboldt-Deutz from Cologne, Germany, so a merger of the two companies was a logical consequence of the market. Magirus-Deutz fire department vehicles are a best-seller. "In 1944 the designers replaced the

water-cooled radiator by air cooling and suddenly there was much more room in front of the engine, and the designers used this for the curved nose", explains the product manager. Magirus-Deutz supplied the curved hood on all types of fire department appliances – with mobile cranes, turntable ladders, equipment trucks and firefighting trucks.



As is usual with models of this type, item 18039 also has a cardboard packaging of historical design.

"The curved hoods are an established part of our replica series exclusively produced for the Club members as well as the current continuation of these metal vehicles", Jürgen Faulhaber tells us. "We are now following the wishes of collectors with another superb example, a Magirus-Deutz curved hood truck with rotary crane superstructure". The 16-cm-long model is



unmistakably part of the Märklin tradition: “the superstructures are made mainly of metal, the finishing is top quality and the realization reduces the model to its cleanest form, without cutting any corners on functionality”.

### Colored details and movable crane boom

On this fire department vehicle, the elementary details are picked out in color, like the fenders and the blue light. And it is standing, as the collector would expect, on wheels with rubber tires. “The rotary crane is essentially responsible for the model’s dynamic”, says the product manager, emphasizing the typical Märklin play value. “The crane boom can be rotated and its height is adjustable, the crane hook can be wound up and down with the handle”. Two more components complete the functional appearance: a capstan and a model of a hydraulic jack.

“Collectors appreciate the fact we pack our metal models in style – that of course we will also do with the curved hood truck and its rotary crane superstructure”, says Jürgen Faulhaber referring to the cardboard packaging in historical design. A certificate of authenticity also comes with the model. Those interested in prototypes will find what they are looking for in fire department museums at [www.feuerwehr-museen.de](http://www.feuerwehr-museen.de). For example, in Stuttgart, Germany there is a curved hood with what in 1951 was the world’s highest turntable ladder ([www.stuttgarter-feuerwehrmuseum.de](http://www.stuttgarter-feuerwehrmuseum.de)). Possibly the most extensive collection of curved hoods is looked after by the Fahrzeugfreunde der Ulmer Feuerwehr (Friends of the Ulm Fire Department Vehicles, [www.fahrzeugfreunde-ulm.de](http://www.fahrzeugfreunde-ulm.de)).

*Text: Rochus Rademacher, photos: Märklin*



The order form for the Fire Department Rotary Crane (item 18039) is handed in to your Märklin MHI retailer. You’ll find an easy way to search for your nearest retailer online under [www.maerklin.de](http://www.maerklin.de) (“Service”).

### 18039 Fire Department Rotary Crane



**Prototype:** Magirus-Deutz curved hood truck with a rotary crane superstructure.

**Model:** The superstructure and the cab are constructed of die-cast metal and the floor is constructed of sheet steel. The boom is made of plastic and the metal wheels are turned parts with rubber tires. The model has many working functions such as the rotating boom that can be adjusted for height and the crane hook that can be raised and lowered by a hand crank. The running boards, bumpers, and blue warning lights are picked out in different colors. A certificate of authenticity is included. Length 16 cm (6-5/16”).

### Model highlights

- Continuation of the popular series of metal vehicles
- Largely new tooling
- Metal superstructure
- The perfect add-on for the five-part series of replica vehicles (18023, 18032, 18031, 18034, and 18029) and the 18038 fire department equipment truck.
- Certificate of authenticity
- Cardstock packaging in an historic design

## Exclusive Club metal vehicles

Since 2007, Märklin has produced five replica vehicles exclusively for Club members, a fire department equipment truck and a Lanz Eilbulldog tractor. In 2016, the Fire Department Rotary Crane (Art. 18039) continues this long tradition.



**2007:** Fire Department Ladder Truck Reproduction (item 18023)



**2008:** “ARAL” Tank Truck Reproduction (item 18032)



**2009:** Magirus Crane Truck Reproduction (item 18031)



**2010:** Replica Krupp flatbed truck (item 18034)



**2011:** Lanz Farm Tractor as replica (item 18029)



**2012:** Magirus Fire Department Equipment Truck (item 18038)



**2013:** Lanz Eilbulldog Tractor (item 18030)

**Closing date for orders:  
April 30, 2016**

## Notes on ordering

The Fire Department Rotary Crane (item 18039) will be produced in 2016 in a one-time series exclusively for Insider Club members. Every Insider member can order one example of the Fire Department Rotary Crane by handing in the order form included with this issue into his Märklin MHI retailer. We expressly remind you that order forms are not transferable.

Please observe the **closing date for orders** shown on the order form: **April 30, 2016**. Scheduled **start of dispatch** is the 3rd quarter 2016.

**Price\*:** 49.99 Euro (53.95 CHF, 54.99 USD)  
\*recommended retail price

# Promotional models

December 2015/January 2016

**37600.001 Diesel loco V 60  
as A-102 of the OSE**

HO

**37600.002 Diesel loco V 60  
as A-113 of the OSE**

HO



Exclusively available from Meises ModellbahnCenter MMC GmbH & Co. KG (or the Hellenic Märklin Club), Pankower Str. 17, 21502 Geesthacht, Germany, Tel. +49 (0) 41 52/84 31 86, info@meisesmobacenter.de, www.meises-mobacenter.de



A-102



A-113

**4415.612 „Mainau“**

HO

Mainau GmbH, 78465 Insel Mainau, Germany  
Tel. 49 (0) 75 31/30 3-0,  
info@mainau.de, www.mainau.de



**4415.613 „Mosel-Wein Nachts-Markt“**

HO

Tourist-Information Traben-Trarbach, Am Bahnhof 5, 56841 Traben-Trarbach, Germany  
Tel. +49 (0) 65 41/8 39 80, info@traben-trarbach.de, www.traben-trarbach.de



**4415.614 „Die Wilde 13 Weihnachten 2015“**

HO

Available from the following authorized dealers in Germany: SP: Elektronik-Richter (01454 Wachau), Fahrtenkrug Spielwaren (23701 Eutin), Modellzentrum Hildesheim GmbH (31135 Hildesheim), Modellbahnladen und Spielparadies (33332 Gütersloh), Modellbahnladen Hilden (40723 Hilden), Raschka - ToyNedo (44137 Dortmund), Modelleisenbahn-Center (50676 Köln), Modellbahn-Center am Markt (52062 Aachen), Wilhelm Schmidt GmbH (57537 Wissen), Modell-Pelzer (58095 Hagen), Spielwaren Kremers e. Kfr. (59065 Hamm), Spielwaren Werst (67071 Ludwigshafen), Eisenbahn Dörfler (90402 Nürnberg), „Modeltreinexpress“ V.O.F. (3135 HW Vlaardingen, the Netherlands)



left-hand side



right-hand side

**4415.836 „Pumuckl“**

HO

Modellbahn West, Ruhrthalstraße 101,  
45239 Essen, Germany  
Tel. +49 (0) 2 01/5 07 38 13,  
info@modellbahn-west.de,  
www.modellbahn-west.de



**4735.050 „Discover Value“\***

HO

Clariant International Ltd.,  
CH-Pratteln, Switzerland



**94449 „BASF“\***

HO

BASF SE, 67063 Ludwigshafen am Rhein, Germany



**Please note that promotional models are only manufactured for Märklin retailers or for commercial or industrial companies (the latter are marked with an \*). Models marked with an \* are not generally offered for sale and therefore, no addresses are given. Only models already delivered may be publicized, and only when the customer has given explicit permission for this.**





## Digital info days Germany

Date	Retailers	Address	Time*
March 15, 2016	Schreib- und Spielwaren Dluzak	Rodigallee 305, 22043 Hamburg	10.00 a.m. – 6.00 p.m.
March 17, 2016	Modellbahn-Station	Bloherfelder Straße 141, 26129 Oldenburg	10.00 a.m. – 6.00 p.m.
March 16, 2016	Modellbahnspezialist Haar	Hauptstraße 96, 28865 Lilienthal	10.00 a.m. – 6.00 p.m.
March 03, 2016	Modellbahnen Matschke	Schützenstraße 90, 42281 Wuppertal	10.00 a.m. – 6.00 p.m.
March 02, 2016	Modellbahn-Ecke	Kölner Straße 48, 45145 Essen	10.00 a.m. – 6.00 p.m.
February 05, 2016	Modellparadies Frankfurt	Karlstraße 12, 60329 Frankfurt	10.00 a.m. – 6.00 p.m.
March 08, 2016	Eisenbahn-Modellbau Stoll	Bernhäuser Hauptstr. 32, 70794 Filderstadt	10.00 a.m. – 6.00 p.m.
February 16, 2016	Eisenbahn & Modellbau Köngeter	Poststraße 44, 71032 Böblingen	10.00 a.m. – 6.00 p.m.
March 11, 2016	Märklin Store Metzingen	Stuttgarter Straße 5, 72555 Metzingen	10.00 a.m. – 6.00 p.m.
March 09, 2016	E+E Spielwaren	Wilhelm-Enßle-Straße 40, 73630 Remshalden	10.00 a.m. – 6.00 p.m.
February 25, 2016	Antikhof Wehr	Im Dörfle 6, 79664 Wehr	10.00 a.m. – 6.00 p.m.

\*Ask your Märklin retailer directly whether they break for lunch.

Please register for the info days with the sponsoring retailers direct at least a week in advance.



Newest models and the most modern technology: That is waiting for those who attend the digital info days at their Märklin retailers. Naturally enough, the Märklin trainers have time for questions and answers.



## Digital seminar: Control and switching with the Central Station Netherlands

Date	Retailers	Address	Time
February 12, 2016	Märklin Center	Vughterstraat 92, 5211 GL Den Bosch	7.00 p.m. – 9.00 p.m.

Please register for the seminar directly with the retailer named above at the latest a week beforehand.





A well-tended set: In the “Roter Flitzer” from Kornwestheim, passengers on the popular day trips enjoy genuine panoramic views. The Förderverein Schienenbus (Rail bus Supporters Association) as a cooperation partner of the Club offers reduced fares.

#### NEW CLUB COOPERATION PARTNER I: FÖRDERVEREIN SCHIENENBUS E. V.

# Panoramic views guaranteed

**T**he “Roter Flitzer” of the Förderverein Schienenbus e. V. (Rail bus Supporters Association) is a historic rail car set dating from the 1950s and 1960s. Everyone who experienced those days of the “economic miracle” traveled on one of these legends of local traffic at that time. So anyone boarding this train on one of its many day trips to different destinations in the power car, the trailer or the driving trailer can either wallow in reminiscences or they will get an impressive lesson in the story of railroad technology of that era. “The great thing is that passengers on these unforgettable trips can get an unusual perspective of the

line through the eyes of the engineer, as they can as it were look directly over his shoulder”, as Edgar Seitz from the Förderverein Schienenbus tells us. “Alternatively, you can sit back, relax and enjoy the panoramic views from the Roter Flitzer, which is glazed all round”. This is a pleasure Club members should not forego, especially as the Förderverein Schienenbus e. V. has just become a cooperation partner of the Club. That means for Club members that they get a reduction on the fares when they present their Club card.

*Text: CN; photos: Förderverein Schienenbus*



Weatherproof: The “Roter Flitzer” also runs during the winter.

Förderverein Schienenbus e. V.  
Bolzstrasse 126, 70806 Kornwestheim, Germany  
Tel.: +49 (0)7154 13 18-30  
E-mail: [info@foerderverein-schienenbus.de](mailto:info@foerderverein-schienenbus.de)  
Homepage: [www.roter-flitzer.de](http://www.roter-flitzer.de)

On their homepage you will find a list of the “Roter Flitzer” day trips. The rail bus consist, with 150 seats, is also available for hire.

**Club benefit:** Club members receive a special discount of 10 percent on the prices of trips run by the Förderverein Schienenbus e. V.




The full list of Club cooperation partners is available to download in PDF format in the Club area (see Downloads) under [maerklin.de](http://maerklin.de)



## NEW CLUB COOPERATION PARTNER II: FONDATION DES CHEMINS DE FER DU KAESERBERG

# Like day and night

**A** very special mood is created on the magnificent Swiss layout of the Fondation des Chemins de Fer du Kaeserberg by the change of lighting. Club members visiting the cooperation partner experience a half-hourly changeover between day and night in an imaginary Germano-Switzerland with a corner of Grisons from the 1990s – each change, it goes dark for six minutes. The illuminations create a magical atmosphere: trains and stations, lighted streets, colored church windows

and floodlit castles – all of them contribute to a sea of light. Contact: Chemins de Fer du Kaeserberg, Impasse des Écureuils 9, 1763 Granges-Paccot, Kanton Freiburg, Switzerland, tel.: +41 26 467 70 40, [kaeserberg.ch](http://kaeserberg.ch), [info@kaeserberg.ch](mailto:info@kaeserberg.ch) 

**Club benefit: On showing their Club card, members receive a discount of 3.– CHF on the normal entry fee.**


*Text: CN; photos: Fondation des Chemins de Fer du Kaeserberg*



Fascinating: The Swiss layout of the Fondation des Chemins de Fer du Kaeserberg, which has taken 17 years to build, is brought to life not only by 120 SBB, Rhaetian and Kaeserbergbahn trains ready to run – the day-night changeover is a cleverly designed and fabulous spectacle.

## NEW CLUB COOPERATION PARTNER III: PRIVATE MODELLBAHNVEREINIGUNG WINNENDEN

# 600-meter parade

**R**ealistic train consists – that is one of the specialties of the Private Modellbahnvereinigung Winnenden (PMW). That is also the reason the main line on the H0 layout of the new Club partner is incredibly long. The huge layout takes up several adjoining rooms, and has been in operation and tended for over 50 years. More than four kilometers (almost 2-1/2 miles) of track and 900 turnouts laid as well as the multi-level train operations have all contributed to its countrywide reputation. All trains run the full length of the layout, negotiating a main line almost 600 meters (656 yards) long and on the way they pass every station. The rolling stock operated includes an authentic train consist of virtually every important train over the last century. 

*Text: CN; photo: PMW*

## Additional info on the PMW

Club benefit: At the new cooperation partner PMW Winnenden e.V. (Private Model Railroad Association Winnenden), Club members receive a reduction of 1.– euro on the price of an adult or a family ticket to view the large H0 layout. Reductions cannot be combined with any others such as those allowed by the PMW for regular visitors.

The PMW premises are located in the industrial estate “Langes Gewand” in Daimlerstr. 12, 71364 Winnenden, Germany. High season for the PMW is the fall/winter season. From spring to fall 2016 there are five of the popular running days, on Saturdays: February 13, March 12, May 07, August 20 and October 15, 2016. Opening times are 2:00 p.m. to 5:00 p.m. Demonstrations are also available by special arrangement. Contact by e-mail ([mail@pmw-winnenden.de](mailto:mail@pmw-winnenden.de)) or telephone: +49 (0) 71 95/17 87 00 (Thursdays from 7:00 p.m. and at weekends). Current information will be found on the PMW homepage [www.pmw-winnenden.de](http://www.pmw-winnenden.de)



Club partner PMW: Four kilometers long: that is the track length of this exhibition layout.



SEMINARS LED BY A MÄRKLIN TRAINER: FIRST HALF-YEAR 2016

# Märklin seminar program

## H0: SERVICE AND INSPECTION (2 DAYS)

### Seminar content:

- Basics of soldering technique with soldering practice
- Function of the Märklin drum and disc collector motors
- Adjusting a mechanical reversing switch
- How to oil an H0 loco correctly
- Carrying out servicing and inspection work on a class 218
- Dismantling a class 218, explaining the assemblies and finally reassembling the loco
- Carrying out servicing and inspection work on a class 74
- Dismantling a class 74, explaining the assemblies and finally reassembling the loco
- Converting Märklin locomotives to digital operation with high-efficiency motors and the latest decoder generation (theoretical, will not be put into practice)
- Fault-finding made easy with doctored locomotives using the knowledge gained on this course

**Aim of the seminar:** The seminar is ideal to enable you to look after and service your old locomotive better and to be able to undertake minor repairs yourself.



### Dates:

Date	No.	Seminar leader
Th./Fr. March 10/11 2016	616100 a	Rüdiger Haller
Tu./Wed. March 22/23 2016	616100 b	Rüdiger Haller

### Miscellaneous:

Each participant will receive an exclusive seminar special car on the theme of service and inspection.

### Duration and cost of the training courses:

Two days, each 8:45 a.m. – approx. 4:30 p.m.,  
269.– euro for Insiders, otherwise 299.– euro

To make running a pleasure: Märklin seminars help you to install decoders, to maintain models and not to attempt too much when designing your layout – all factors to help everything run smoothly.

## FIRST HALF-YEAR 2016

### Venue for all seminars:

Göppingen  
Märklin Museum  
Reutlinger Strasse 2  
73037 Göppingen, Germany

### Hotel reservation:

Hotel Restaurant Hohenstaufen  
Freihofstrasse 64 – 66  
73033 Göppingen, Germany  
Telephone: +49 (0) 71 61/6 70-0





## H0: LAYOUT PLANNING AND BUILDING PREPARATION (2 DAYS)

### Seminar content:

- Track geometry for K- and C-track, track planning, e.g., arranging station tracks (can also be applied for staging yards)
- Providing grades in model railroad layouts, theoretical construction of a track helix including relevant parameters (steepness, minimum radius)
- Use and purpose of an electrical ring circuit, accessories for the electrical wiring (a selection)
- The different properties of switching contacts (circuit track, reed contact, contact track), correct placement of switching contacts
- Testing solenoid articles (signals and turnout motors) in unladen condition (some practical testing)
- A short soldering course with realistic practice (soldering on various tracks)
- Installation hints and function of signal module 72441 for controlled decelerating and stopping digital high-efficiency drives
- Assessing the electric current requirement for a layout and determining the number of transformers/boosters required, for which sample calculations will be made
- Jointly working out the conditions in which a layout can best be fitted into a room; joint planning of a model railroad layout to occupy the maximum area in a previously-defined room plan

**Aim of the seminar:** Theoretical principles governing proper design with the necessary components (analog and digital) of a model railroad layout



### Dates:

Date	No.	Seminar leader
Th./Fr. April 07/08 2016	616120 a	Rüdiger Haller
Th./Fr. June 02/03 2016	616120 b	Rüdiger Haller

### Miscellaneous:

Each participant will receive an exclusive seminar special car on the theme of layout planning and construction preparation.

### Duration and cost of the training courses:

Two days, each 8:45 a.m. – approx. 4:30 p.m.,  
269.– euro for Insiders, otherwise 299.– euro



In 2016 Märklin again has interesting seminars on the Agenda – in the first half of the year seminar participants will be able to learn all about layout construction, decoder installation and switching and controls with the Central Station from an experienced Märklin Trainer. Only a limited number of places are on offer for each course as each participant receives intensive personal tuition.

### Registration for all seminars only in writing please:

- by post: Gebr. Märklin & Cie. GmbH, Stuttgarter Strasse 55 – 57, 73033 Göppingen, Germany
- by fax: +49 (0) 71 61/6 08 - 1 43
- by e-mail: [training@maerklin.de](mailto:training@maerklin.de) – or directly online under [www.maerklin.de](http://www.maerklin.de)

Telephone enquiries please under +49 (0) 71 61/6 08 - 222. You will find our conditions of registration and participation on the Märklin homepage; no separate seminar brochure is available.

**Note:** Please make hotel bookings exclusively under the telephone numbers given here.

The layout construction seminars are scheduled for July 2016. Seminars on locomotive assembly are scheduled for the end of the year.

**All seminars are held in German.**

## Z: SERVICE AND INSPECTION (2 DAYS)

### Seminar content:

- Basics of soldering technique with soldering practice
- Dismantling locomotives and explaining the assemblies
- How to oil a Z-gauge locomotive correctly
- Cleaning locomotives correctly
- Carrying out servicing and inspection work on various locomotives
- Assembly of these locomotives and noting the corresponding service points
- Fault-finding made easy with doctored locomotives using the knowledge gained on this course

**Aim of the seminar:** The seminar is ideal to enable you to look after and service your old locomotive better and to be able to undertake minor repairs yourself.



### Dates:

Date	No.	Seminar leader
Th./Fr. April 14/15 2016	616130 a	Rüdiger Haller

### Miscellaneous:

Each participant will receive an exclusive seminar special car on the theme of Z-gauge service and inspection.

### Duration and cost of the training courses:

Two days, 8:45 a.m. – approx. 4:30 p.m.,  
269.– euro for Insiders, otherwise 299.– euro

## H0: DECODER-INSTALLATION SEMINAR (2 DAYS)

### Seminar content:

- The training is suitable for those who want to upgrade analogue and digital H0 locomotives to the latest state of the art in system technology with mfx decoders
- Refresher course on soldering with little practice pieces
- All you need to know about the latest decoder generation
- Two Märklin locomotives will be retrofitted

### Conditions:

- Soldering ability is essential
- The Märklin locomotives you bring must be in very good condition (other makes will not be considered)
- When registering for the seminar, be sure to give the locomotives which are to be retrofitted (please give several locos for a choice, and bring these all to the seminar)

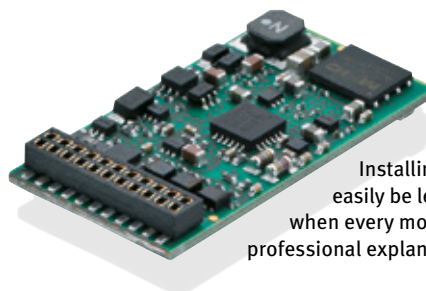
**Aim of the seminar:** To acquire knowledge to convert Märklin locomotives

### Dates:

Date	No.	Seminar leader
Th./Fr. April 28/29 2016	616110 a	Rüdiger Haller
Wed./Th. May 11/12 2016	616110 b	Rüdiger Haller

### Duration and cost of the training courses:

Two days, 8:45 a.m. – approx. 4:30 p.m.,  
509.– euro for Insiders, otherwise 539.– euro



Installing decoders can easily be learned, especially when every move is given a professional explanation.

## GAUGE 1: LOCO ASSEMBLY SEMINAR (2 DAYS)

### Seminar content:

- Refresher course on soldering with little practice pieces
- Talk through the individual parts in logical sequence
- Systematic assembly of a crocodile class Ce 6/8 II (item 55564) and a class 218 diesel loco (item 55716)

**Conditions:** Soldering ability is essential.

**Aim of the seminar :** assembling the individual parts of the respective locomotive in the correct order and getting to know the corresponding functionality

### Date:

Date	No.	Seminar leader
Th./Fr. June 09/10 2016	616160 a	Rüdiger Haller

### Duration and cost of the training courses:

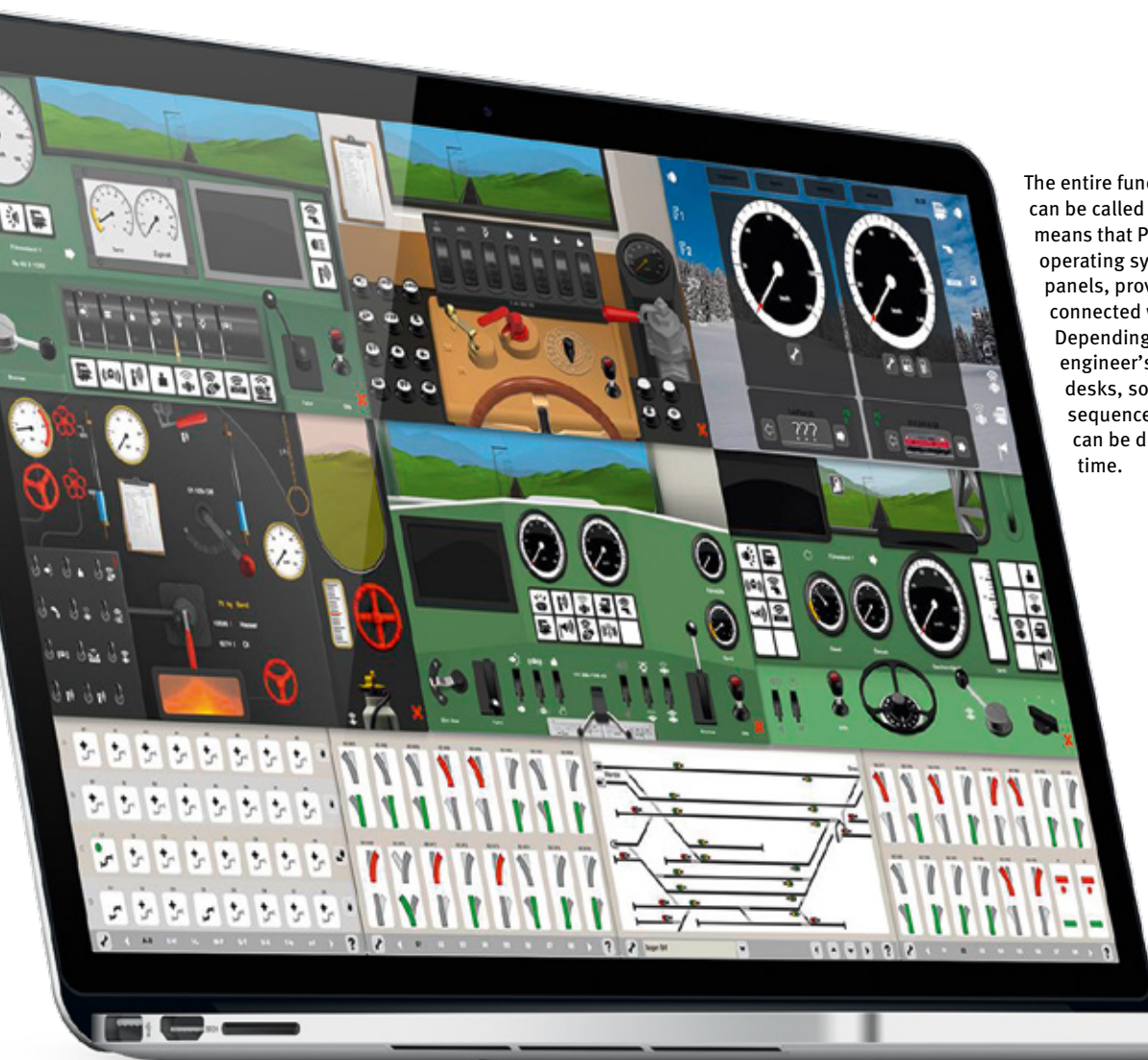
Two days, 8:45 a.m. – approx. 4:30 p.m., 1,999 euro for Insiders, otherwise 2,029 euro. Seminar fees cover the cost of the locomotives, which become the participant's property.



Practice loco: the crocodile (left) and the 218 247-5 (right) become the participant's property after the assembly seminar.







The entire functionality of the Central Station can be called up on the PC or notebook. This means that PCs with Windows, Apple or Linux operating systems can be used as control panels, provided they are – like the CS2 – connected with the home network router. Depending on resolution, ten or more virtual engineer's positions, conventional control desks, solenoid switch-panels, operating sequence panels and track-circuit diagrams can be displayed and operated at the same time.

## CONTROL AND SWITCHING WITH THE CENTRAL STATION (2 DAYS)

### Seminar content:

- Principles of the Central Station: Connections and operating the control panel
- Running and programming locomotives (mfx and Motorola)
- Setting up a shuttle train control using contact tracks
- Setting up and switching turnouts and signals
- Creating circuit diagrams of the layout
- Setting up pathways
- Incorporating the Central Station in existing layouts
- Connecting additional units to the Central Station (e.g. Mobile Station)
- Running and programming locomotives via iPhone- und iPad-App

**Aim of the seminar:** To impart the knowledge of designing a layout with the Central Station or converting an already existing layout



### Dates:

Date	No.	Seminar leader
Th./Fr. February 11/12 2016	616140 a	Rüdiger Haller
Th./Fr. February 18/19 2016	616140 b	Rüdiger Haller
Th./Fr. February 25/26 2016	616140 c	Rüdiger Haller
Th./Fr. March 03/04 2016	616140 d	Rüdiger Haller

### Miscellaneous:

Every participant receives an exclusive special seminar car (H0) on the theme of Märklin digital.

### Duration and cost of the training courses:

Two days: 8:45 a.m. – approx. 4:30 p.m.,  
269.– euro for Insiders, otherwise 299.– euro  
One day: 8:45 a.m. – approx. 4:30 p.m.,  
169.– euro for Insider, otherwise 199.– euro



# Harmony in detail

Many carefully-realized details give the tank locomotive 95 006, as Club model 2016 in H0 (item 39095), its realistic appearance. The appearance of the loco, produced in the form in which it was running in 1953, is characterized by the boiler fittings, the sander fall pipes on the boiler, the long water-tanks and the tender and the running gear with its delicately-modeled individual components.



**Superstructure:** The smoke-stack projects from the smokebox, behind it on the crown of the boiler are feed-dome and steam dome, then the sand-box.



**Tender:** The picture of the rear of the 95 006 model is dominated by ladders, footsteps, grab-irons and the twin headlamps.

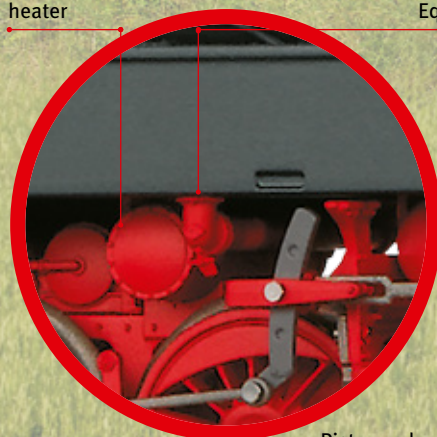


Feed-water heater

Equalizer pipe

Modeled separately:  
By-pass

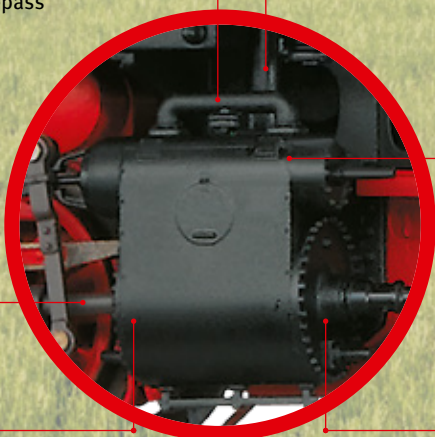
Steam inlet pipe



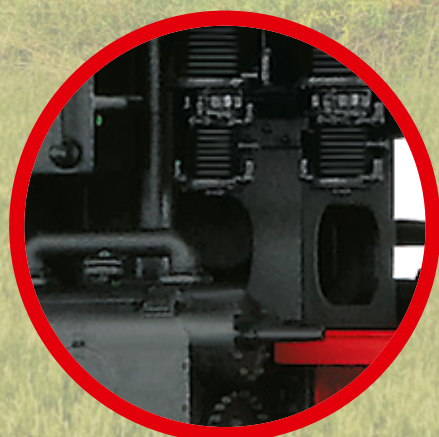
**Pipes:** Located between boiler and bar-frames are feed-water heater and air reservoir – an equalizer pipe connects the left- and right-hand water tanks.

Piston rod

Cylinder casing



**Reversing gear / drive:** The valve-rod moves back and forth in the valve chest and on the prototype controls steam admission and exhaust ports. Thus controlled, the steam admitted to either side of the piston head in the cylinder moves the piston rod; the piston rod transmits the power to the crosshead and this in turn to the connecting rod.



Valve chest

Piston rod  
stuffing box

**Smokebox saddle:** The weight of the smoke-box is supported on an attractive perforated saddle mounted on the frames.