

# TRAMFABRIEK

New products 2021

H0e-H0m-N

EGGER-BAHN/JOUEF  
ULTIMATE MOTOR  
UPGRADE

GIVING THE CLASSIC MODELS  
THEIR BEST PERFORMANCE EVER

MAGNETIC-ELECTRIC  
COUPLINGS FOR H0e/H0m

N GAUGE MOTOR  
UPGRADES





*Original Egger-Bahn/Jouef model with  
Tramfabriek Coreless motor upgrade*

# TRAMFABRIEK

---

2020 was another busy year for the Tramfabriek. So many ideas, but so little time. The outbreak of the Coronavirus affected the whole model train industry with increased orders. At the Tramfabriek, we were working hard to keep up. The obligated time inside was well spent processing orders, but also enabled work on new projects. Several coreless motor upgrades for N gauge and H0e/H0m saw the light.

Unfortunately, as we've seen the year before, not so much time could be spent on developing a new model tram. Progress has been made on some projects, however progress has been slower than I would have liked. I thank you for your patience and support in these exciting projects. You can find updates on the announced models on the last page.

The announcements in this publication focus on items that have been released in the last few months, but also some exciting brand new items. Most are available immediately.

I wish you a very pleasant new model train year!



Sven van der Hart  
January, 2021.

P.S. If you have a question, please feel free to send me an email at [info@tramfabriek.nl](mailto:info@tramfabriek.nl) . You will always get an answer.

## In this brochure

- 4 Egger-Bahn/Jouef Ultimate Motor Upgrades
- 6 Coupling rods, Quartering tool
- 7 Magno-Electro Couplings
- 13 Train-O-Matic Lighting
- 14 New coreless motors
- 15 N gauge motor upgrades
- 19 H0e gauge motor upgrades
- 20 Manhole covers
- 21 Ongoing project updates



*Repainted Egger-Bahn/Jouef model with  
Tramfabriek Coreless motor upgrade*

## THE HOLY GRAIL

these classic models, I had a motor made that avoids using bulky, inaccurate casings. The motor is now mounted on a bracket and simply replaces the original motor. You'll be impressed with the improved driving capabilities. The model now can run very well at slow speeds.

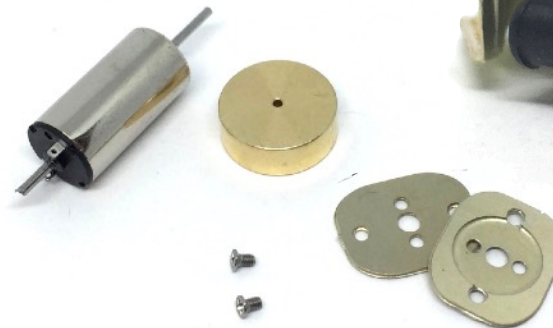
The new conversion is available as a kit or, for easy installation, pre-assembled. As there are no replacements available for the worm and the diameter of the motor shaft is different between some models, the old worm has to be taken off and to be fitted with the supplied adapters.

A motor upgrade for the famous Egger-Bahn, and later Jouef models: It is almost the holy grail of H0e modelling. The Tramfabriek has received many request for such an upgrade, but through the years, I wasn't happy with the possible solutions. So finally, especially for

---

<b>TFEGMO-R</b> Assembled	€35
<b>TFEGMO-K</b> Kit	€28.50
<b>For 1.2 mm motor shaft</b>	<b>Available now</b>
<b>For 1.5 mm motor shaft</b>	<b>Available now</b>
<b>For 1.8 mm motor shaft</b>	Available mid-January 2021

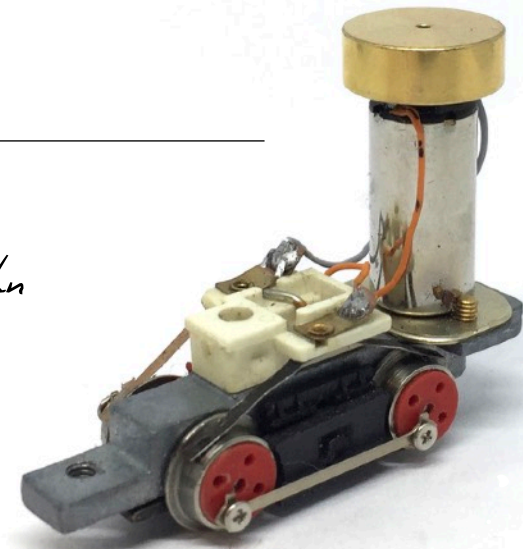
Purchase at  
[tramfabriek.nl/eggerultimate.html](http://tramfabriek.nl/eggerultimate.html)



# Egger-Bahn/Jouef Ultimate Motor Upgrade



*Fits all Egger-Bahn  
and Jouef models*



The motors with 1.2 mm axle have a worm fitted that is hard to get off, even with a gear puller without breaking the pin. But if you heat the worm with a mini-torch, you can hammer them out very easily with a small hammer and a pin. How to do this you can see on <http://tramfabriek.nl/worm-removal.html>. If you feel uncomfortable doing this, you can send the motor to the Tramfabriek before we send your order out to you and we'll remove the worm without charge. To remove the 1.8 mm motor shaft you can simply use the Tramfabriek gear puller, available from [tramfabriek.nl/tools.html](http://tramfabriek.nl/tools.html)

# COUPLING RODS

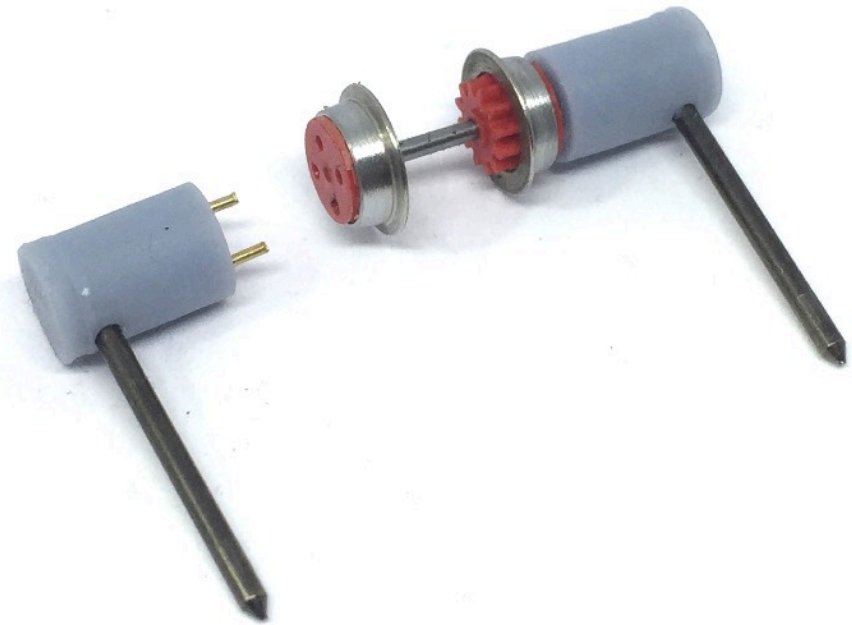
To complete your motor upgrade and to add more detail to your model, the Tramfabriek introduces separately available coupling rods. These are an excellent addition to the OEG steam loco and Ruhr-Lippe steam railcar, but also the modern Minitrains models. Some might think the rods would be covered by the side skirts of the model, but the moving motion can clearly be seen through the holes. A simple, but worthy upgrade.

## Coupling rods

Set with two coupling rods and four screws. Wheelbase 17 mm. Screws can be pressed or screwed in.

**COWB17** Kit €5.50

**Available now**



Not all wheels are quartered correctly. With this tool it is easy to align them. Just turn on the handles until the holes on both wheels are in line with each other. The coupling rod on one side should be mounted 90 degrees different from the other side.

## Quartering tool

Set with of two handles, as pictured. Ready to use. Wheels not included.

**TFEGQU** Assembled €7.50

**Available now**



Purchase at

[tramfabriek.nl/eggerultimate.html](http://tramfabriek.nl/eggerultimate.html)

# MAGNO-ELECTRO COUPLINGS FOR H0e/H0m



## THERE WILL BE LIGHT

Narrow gauge normally means light locomotives. When you fit lighting to a coach, you need contacts to the wheels to power the light. These press on the wheels and will make the coach heavier to pull. So imagine the drag on multiple coaches with a full light installation. A locomotive will pull one or two coaches with light, but will stall when pulling more. To solve this problem, the Tramfabriek has taken the existing concept of wired magnets and developed these **ME-Couplings** especially, but not uniquely, for the popular **Liliput and Tillig coaches**. Now only one coach needs to have contacts to the wheel, all the other coaches draw power from that one coach. Besides that the train will now be lighter to pull, the carriages can also be closer coupled together, now at a realistic distance from each other. And thanks to the hook on the coupling, they just as easy couple to standard hoop couplings.

Not only will there be light, there will be light *constantly*. And realistic close-coupling. Easy coupling. Less wheel with contacts. Benefits all over the place.



*The couplings as they are supplied, assembled and painted.*



*With standard couplings*



*With Tramfabriek ME-Couplings*



 See the couplings in action at <https://tramfabriek.nl/couplings.html>



## For Liliput

All couplings come in pairs, pre-assembled and painted, with Tramfabriek black Ultra Thin Wires soldered to them.



### Liliput Short

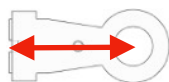
Art. TFCOLS

Per pair

€8.50

Available now

These are for the **older type Liliput coaches**.  
When you look from the side through the step, the coupling pin can be seen centred.



11.3 mm



### Liliput Medium

Art. TFCOLM

Per pair

€8.50

Available now

These are for the **newest type Liliput coaches**.  
When you look from the side through the step, the coupling pin can be seen away from the centre, more towards the middle of the coach.



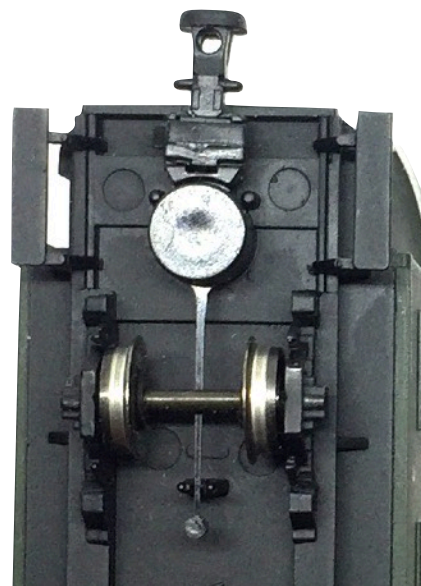
13.3 mm



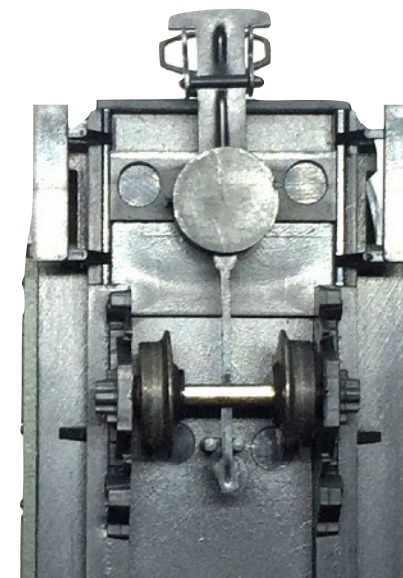
## Turn the lights off

With the ME Couplings, only one carriage needs to have power contacts to the track. This means if there is an instance you would like to run the coaches without light or have no drag on the wheels to able a very light locomotive pulling the train, you just take out the one coach with the contacts.

New type



Old type



## For Tillig

All couplings come in pairs, pre-assembled and painted, with Tramfabriek black Ultra Thin Wires soldered to them.



### Tillig Short

Art. TFCOTS

Per pair

€8.50

Available now

These are for the **older type Tillig coaches**. The centre of the coupling hole is 7 mm from the edge of the coach.



11.7 mm



### Tillig Medium

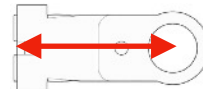
Art. TFCOTM

Per pair

€8.50

Available now

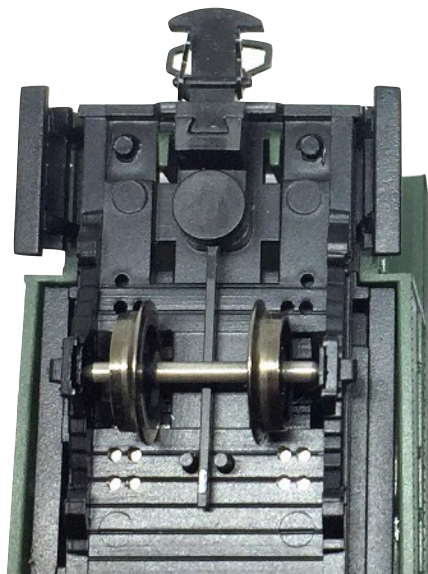
These are for the **newest type Tillig coaches**. The centre of the coupling hole is 8.5 mm from the edge of the coach.



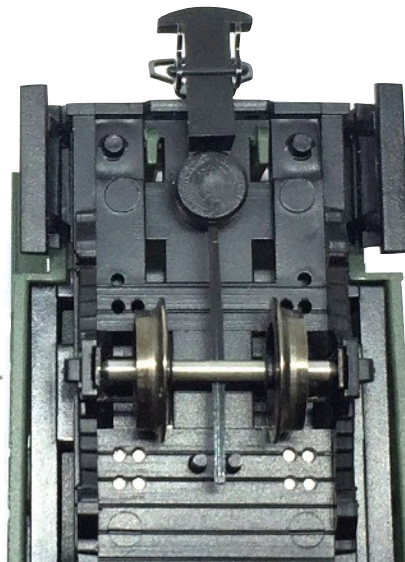
13.3 mm



New type



Old type

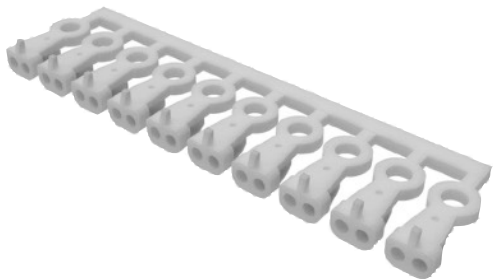


## An Accidental Benefit

A problem with the standard couplings is that they have a very strong plastic spring on the rear, to keep it centred. This causes derailment on S curves and points. While installing the ME-Couplings using the Tramfabriek Ultra Thin Wire, I noticed the wires keep the couplings centred when not coupled. And in a much lighter way, with hardly any pressure. An accidental benefit!

## Build your own couplings

For those who want to save some money or like to do things yourself, you can order the couplings from and printed by Shapeways in multiples. The magnets and wires are separately available from the Tramfabriek. Check out the Tramfabriek website for the available sets and parts.

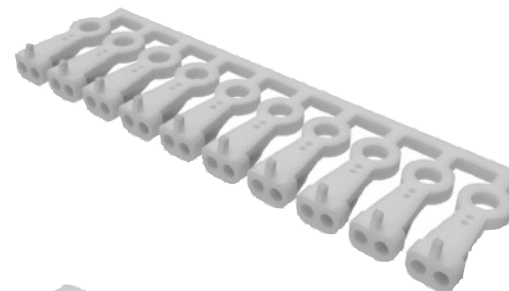


### Liliput Short

Per 10 Per 20

**€12.50 €20**

**Available now**

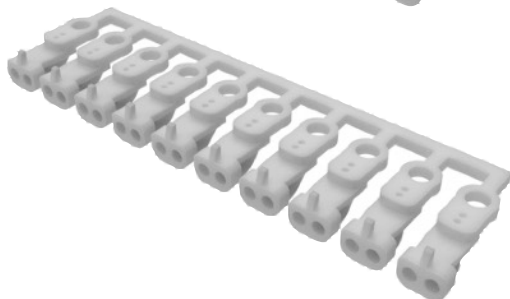


### Liliput Medium

Per 10 Per 20

**€12.50 €20**

**Available now**

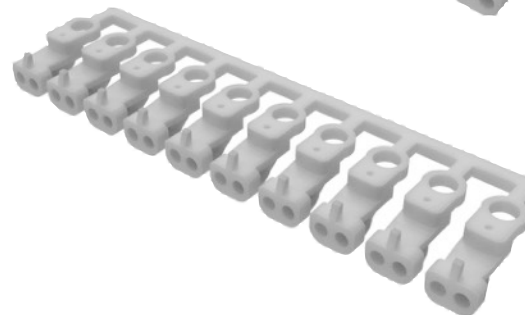


### Tillig Short

Per 10 Per 20

**€12.50 €20**

**Available now**



### Tillig Medium

Per 10 Per 20

**€12.50 €20**

**Available now**



### Magnets 2x2 mm

Per 20

**€3.00**

**Available now**

*Flexible, strong, easy to solder and ultra thin: You won't find better wire than this for electronic connections in model trains!*

*More colours available.*



### Ultra thin wire

Per 10 meter

**€4.50**

**Available now**



More information on [tramfabriek.nl/couplings.html](http://tramfabriek.nl/couplings.html)





## Train-O-Matic Shine Mini LED light bar

Not new, but to compliment your Tramfabriek Magno-Electro couplings, the Train-O-Matic light strips. These can be cut to size and fit even in the small Liliput coaches. They come with two capacitors to enjoy flicker free lighting, but even one is already sufficient. On my models, I have fitted them under the coaches and painted them black, as if they were a brake cylinder.

Length 120 mm, width 6 mm. Minimum length: 56 mm.

Shine Mini LED light bar

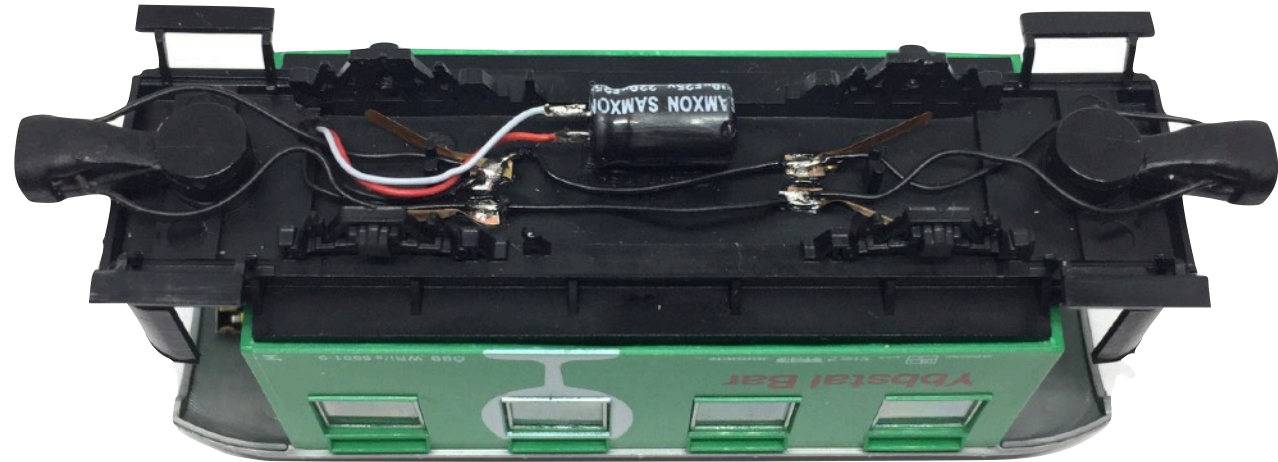
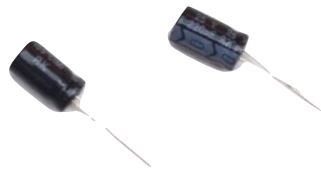
**02070327** - Warm/Yellow white

**02070328** - Cold/Bright white



€9,50

Available now



# New coreless motors

The Tramfabriek introduces a small selection of new motors, each for its own specific use.



## 8 x 16 mm motor 17,800 rpm

Art.0816D18

Faster version of the famous 8 x 16 mm motor with double shaft, as developed and first brought to the market by the Tramfabriek. This as nearly 18,000 rpm, compared to the 13,500 rpm of the original motor.

**€18.50**

**Available now**

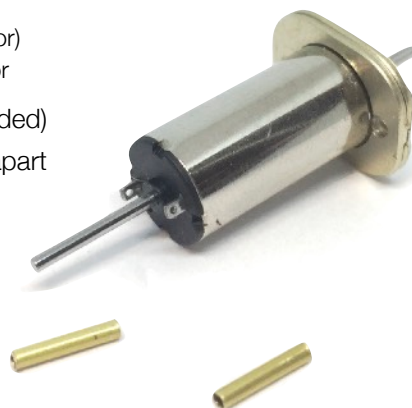
## 8 x 16 mm motor with mounting brackets and 1.5 mm adapters

Art.0816DB-13 (with 13,500 rpm motor)  
Art.0816DB-18 with 17,800 rpm motor

Mount with M1.6 screws (not included)  
Centre mounting holes are 8 mm apart

**€27.50**

**Available now**



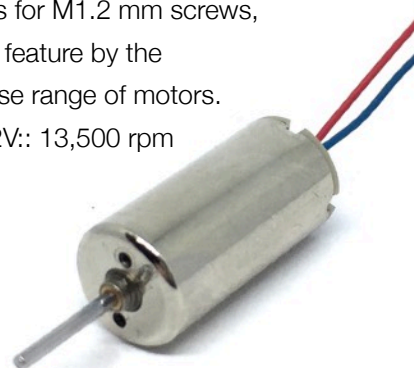
## 8 x 16 mm motor with long shaft

Art.0816SL

A variation on our popular 8 x 16 mm motor with a longer, 7 mm shaft. It also has mounting holes for M1.2 mm screws, another pioneering feature by the Tramfabriek for these range of motors. No load RPM at 12V.: 13,500 rpm

**€17.50**

**Available now**



## **Mashima 1020 replacement!**

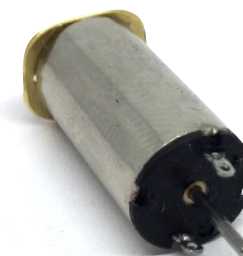
## 10 x 20 mm motor with screw mount

Art.1020DM

A variation on our popular 8 x 16 mm motor with a longer, 7 mm shaft. It also has mounting holes for M1.2 mm screws, another pioneering feature by the Tramfabriek of these range of motors. No load RPM at 12V: 14,000  
Screws needed: M1.4 (not included)  
Centre mounting holes are 8.5 mm apart, depth is 1 mm.

**€25.50**

**Available now**



 To purchase go to  
[tramfabriek.nl/motors.html](http://tramfabriek.nl/motors.html)

# 12 CORELESS MOTOR UPGRADE KITS

DE-Glockenanker motor Umbausätze  
NL-Klokanker upgrade bouwkit

The Tramfabriek sells several very affordable, but powerful coreless 12 Volt motors, which it has produced to meet the wishes of model railway fans. Now you can upgrade the motor of your loved models from the past or use it for motorising your scratch built locomotive. Because not everyone has the patience, time or desire to tinker around building a cradle for the coreless motor in the same size as the original motor, the Tramfabriek offers complete upgrade kit for several models for scales N and H0/m/e and will be adding more to the collection throughout the year.



# 12V coreless motor upgrade kits

DE-Glockenanker motor Umbausätze  
NL-Klokankermotor upgrade bouwkit

A selection of upgrade kits released in the past year. **Available now**



# N

## Coreless motor upgrade kits for Dutch N gauge



Fleischmann Wadloper



Minitrix Koploper



Minitrix 1100





# 12V coreless motor upgrade kits

DE-Glockenanker motor Umbausätze  
NL-Klokanker upgrade bouwkit

A selection of upgrade kits released in the past year. **Available now**

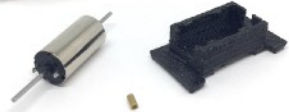


Many more available at  
[tramfabriek.nl/drives-n.html](http://tramfabriek.nl/drives-n.html)



# N

## Coreless motor upgrade kits for German N gauge



Fleischmann Pendolino



Fleischmann Art 7000



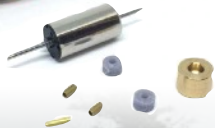
Fleischmann Track Cleaner



Fleischmann BR 65



Arnold Ee 3/3



Minitrix V 60



Minitrix BR 111



Minitrix V 160



Minitrix BR 216



Arnold Köf



# 12V coreless motor upgrade kits

DE-Glockenanker motor Umbausätze  
NL-Klokanker upgrade bouwkit

A selection of upgrade kits released in the past year. **Available now**



Many more available at  
[tramfabriek.nl/drives-n.html](http://tramfabriek.nl/drives-n.html)



# N

## Coreless motor upgrade kits for British N gauge



Graham Farish Class 08



Graham Farish Class 37

The Class 37 upgrade kit fits many other classic Graham Farish models, such as the Class 52. Check the installation instructions to compare with your model



Compatibility with more chassis is with more upgrade kits the case. So will the Dapol A4 kit fit in for example their A3, Manor, Britannia and Hall locomotives.



Dapol 9F



Dapol Class 52



Many more available at  
[tramfabriek.nl/drives-n.html](http://tramfabriek.nl/drives-n.html)



# 12V coreless motor upgrade kits

DE-Glockenanker motor Umbausätze  
NL-Klokankermotor upgrade bouwkit

For the models below, development has finished and to be released soon.

## H0e/m Coreless motor upgrade kit for H0e



Fleischmann BR 91



Fleischmann BR 50  
Art 7175 with worm (2nd gen.)



Roco HF110c



Available now



[tramfabriek.nl/drives.html](http://tramfabriek.nl/drives.html)



Fleischmann BR 110/203 (new version)



Coming at

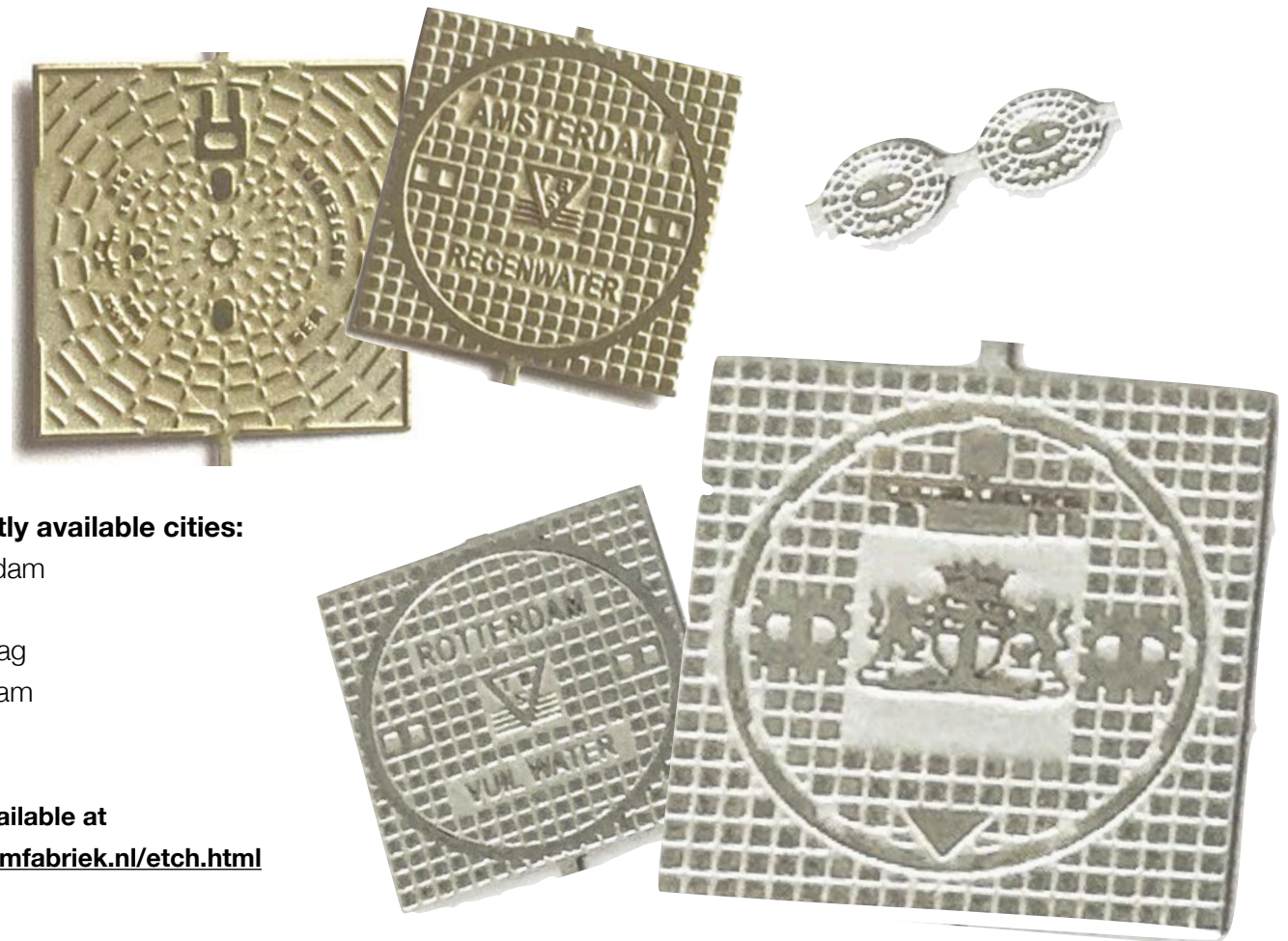
[tramfabriek.nl/drives-n.html](http://tramfabriek.nl/drives-n.html)



# 1:87 Manhole covers in the Netherlands

As with many products, they start as something I need myself, then evolves in a product line out of passion. These manhole covers, apparently also called an inspection chamber, can be found in cities in the Netherlands. Sometimes only a few of them exists, some can be found everywhere. In the recent years, more cities have seen the beauty and pride of it and we have seen new, special releases. I will look forward to make those as well, so expect more to come!

An etch of manhole covers ("putdeksel" in Dutch) comes with drainage gullies ("kolk" in Dutch), which have to be folded by 90 degrees and installed on the edge of the pedestrian path. To fill up all the useable space, some also comes with city heating covers ("stadsverwarming" in Dutch).

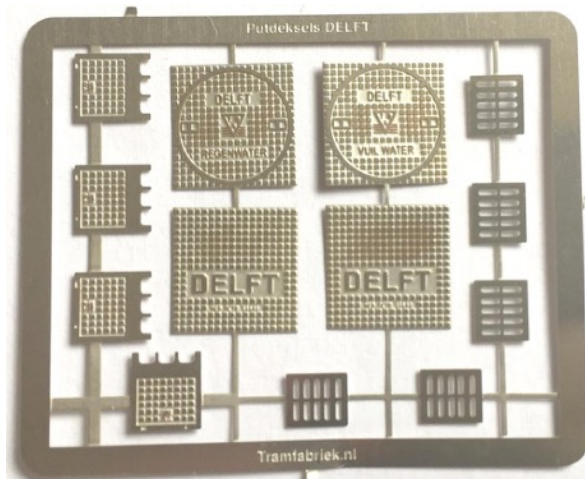


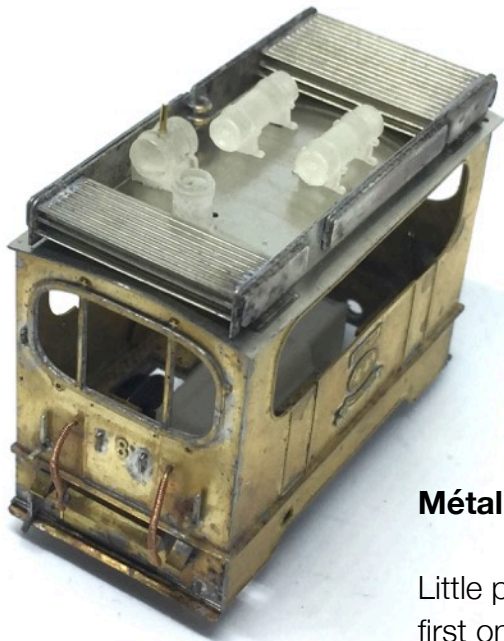
**Currently available cities:**

- Amsterdam
- Delft
- Den Haag
- Rotterdam



Available at  
[tramfabriek.nl/etch.html](http://tramfabriek.nl/etch.html)





### HTM & SHM 8 'Ooievaar' (H0e/H0m/H0)

The motorised drive has been developed and the outside is finished. Finally a sound decoder has been found that fits and progress is made on a fitting Powerpack. Getting the right sized parts for the electronics has in the past year the biggest problem, but new releases from 3rd parties have advanced this project. As this is a small production, no custom electronics can be ordered. Our wheel manufacturer stopped making the needed wheels, but an alternative manufacturer has been found.

Release date is still unknown.

### Métallurgique TNHT Y1-3 - NZH BY1-3 (H0e/H0m)

Little progress has been made in 2020. The focus is first on the HTM 8.



### Dürener Dampfstraßenbahn/Selkantbahn 'RUR' (H0e/H0m)

Other projects mentioned on this page have first priority. Only resource material has been collected.



You can copy my pictures, not my products.

# **TRAMFABRIEK**

Eton Wick - Engeland

[www.tramfabriek.nl](http://www.tramfabriek.nl)

[info@tramfabriek.nl](mailto:info@tramfabriek.nl)

All content in this brochure is subject to misprints, errors and technical modifications.

January 2021

*Bob Telford's*

# ASHOVER RAILCAR

A brass kit available from the Tramfabriek



[tramfabriek.nl/ashover-railcar.html](http://tramfabriek.nl/ashover-railcar.html)

**TRAMFABRIEK**