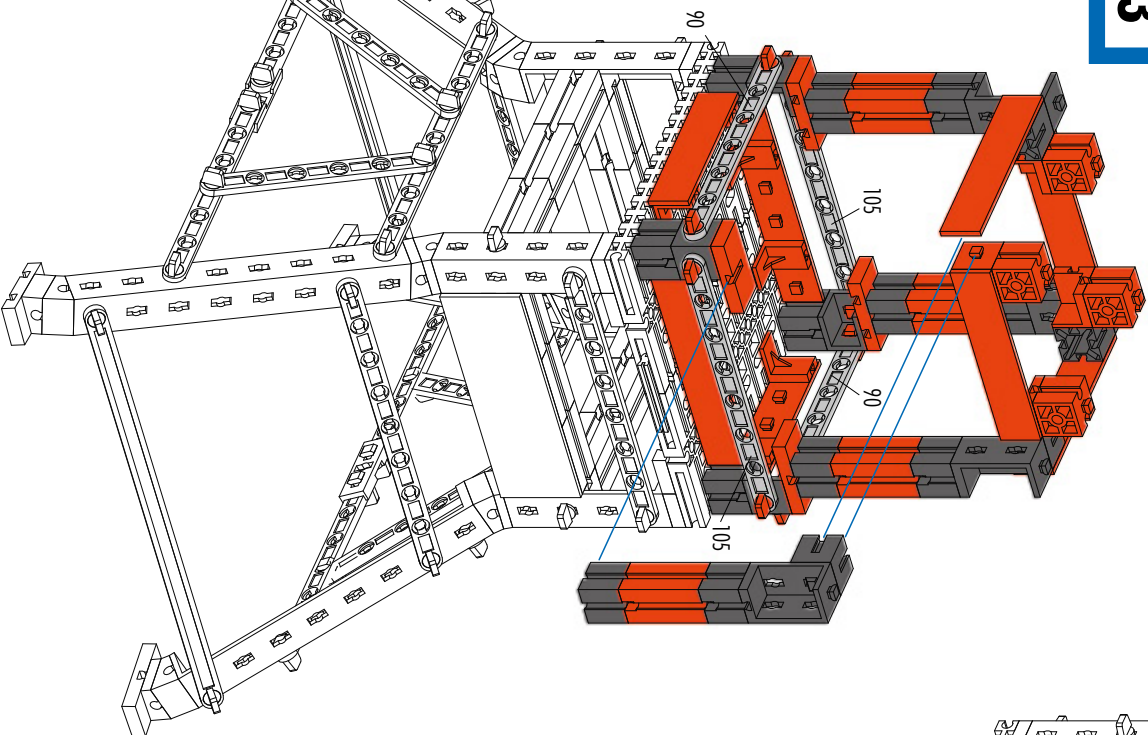
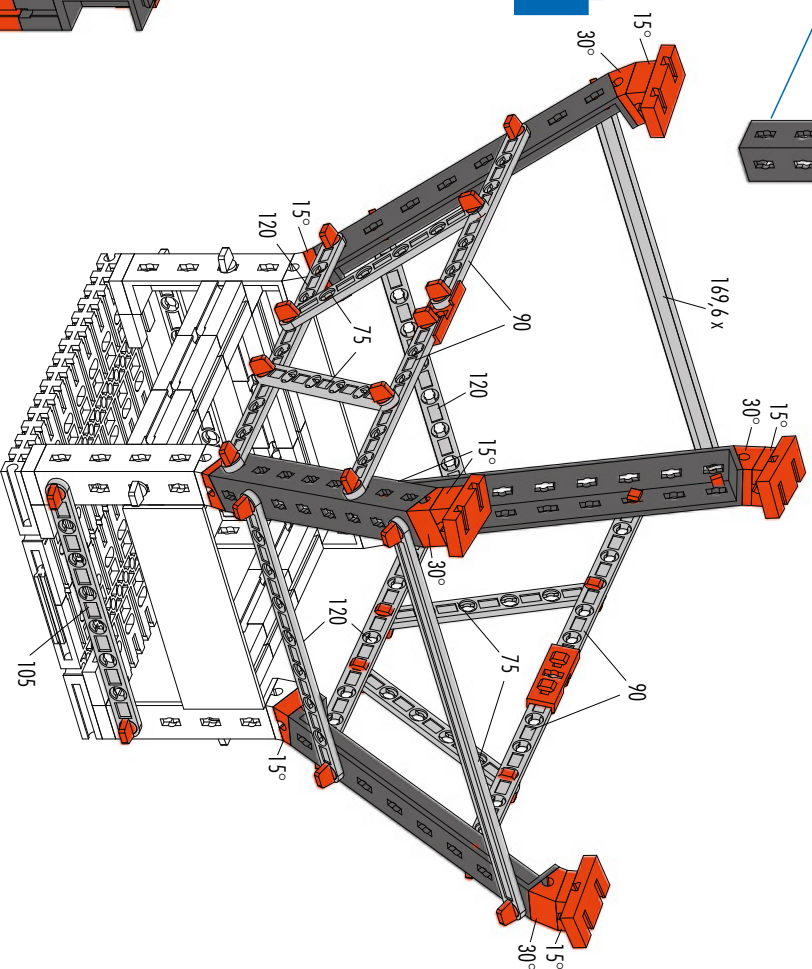
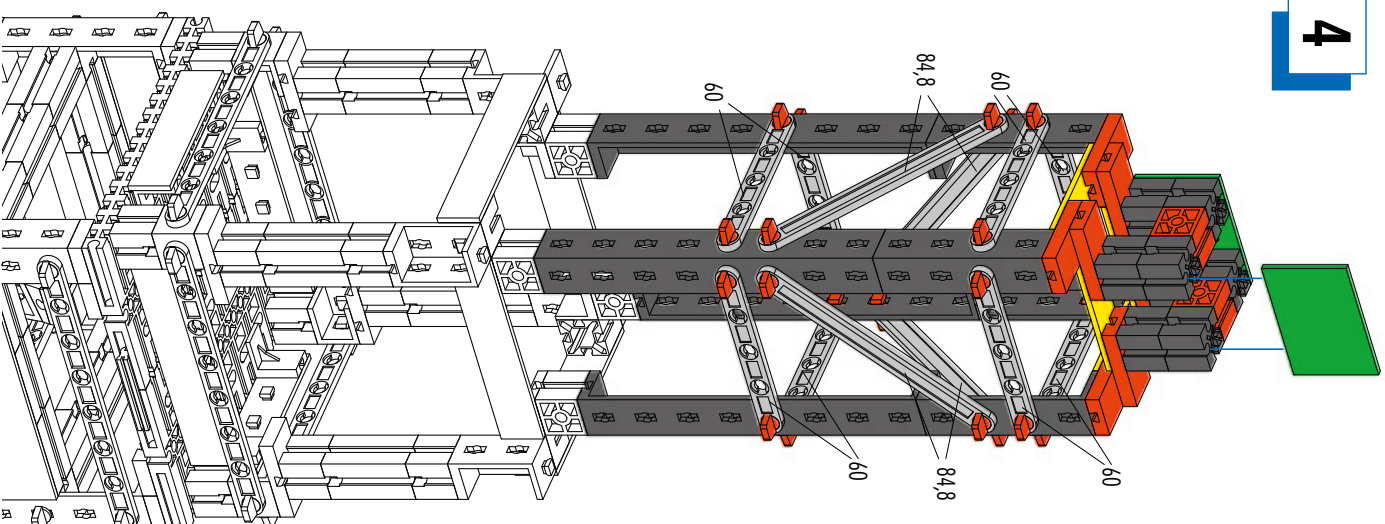


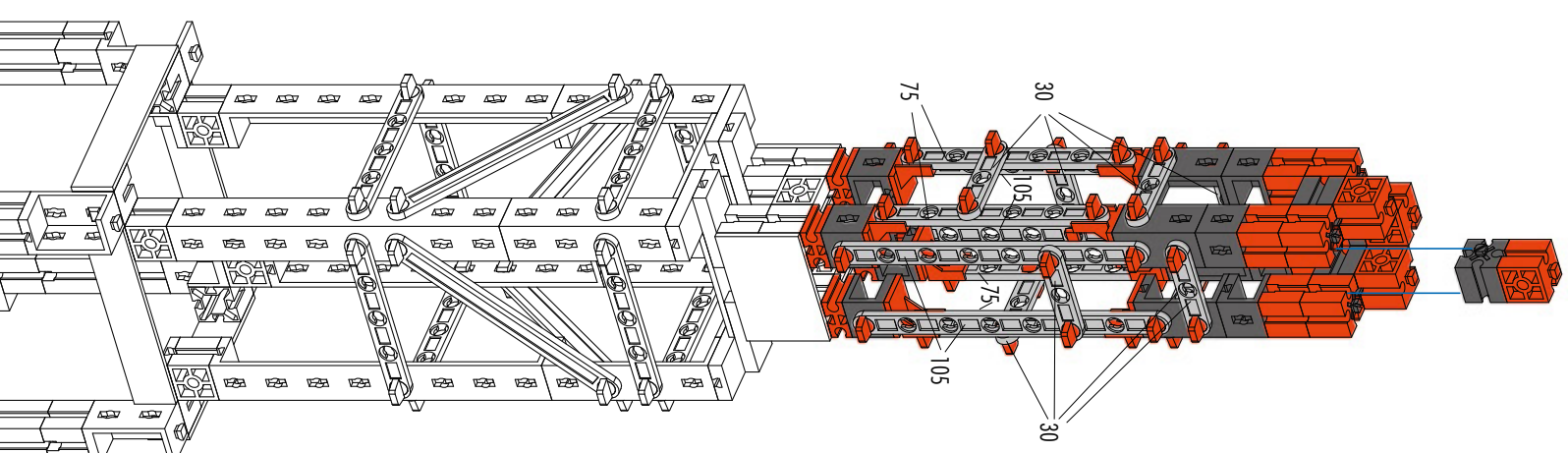
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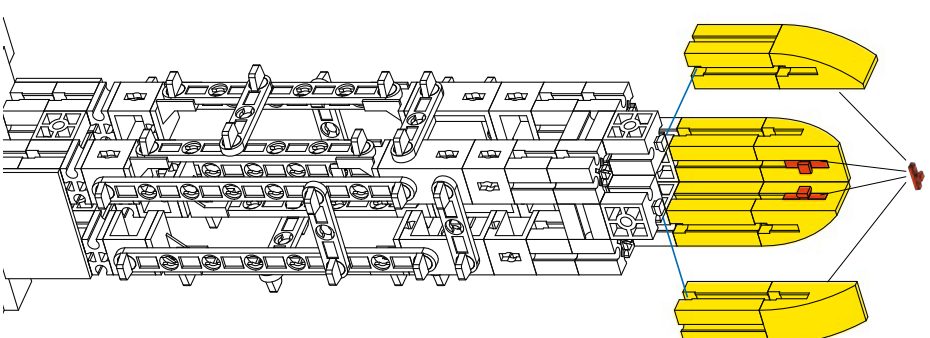
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# FAN CLUB NEWS

fischertechnik 

ISSUE 01/20



## PAGE 2: CURRENT

fischertechnik exhibition with great fan models



## PAGE 3: FAN

The report of a longtime fischertechnik fan



## PAGE 4+5: NEW

The new products 2020 at a glance



## PAGE 7: BUILDING INSTRUCTIONS

FAN CLUB model: Radio Tower

## It's the 50th time

### fischertechnik at the Nuremberg Toy Fair

Every year we report from the International Toy Fair in Nürnberg. But this year we had a special anniversary to celebrate: We were at the International Toy Fair for the 50th time to present our new products to toy traders all over the world. In 1966, fischertechnik presented its products at the fair for the first time. Since then - with a break of a few years - we have been represented at the international fair. For this reason, Ernst Kick, Chairman of the Board of Spielwarenmesse eG, presented our Managing Director Wilhelm Schoch with a medal.

We are already preparing for our big fair appearance weeks in advance. Our developers in particular are building new models and exhibits such as the two-metre-high marble run model. The highlight was that the marble run was not on a pedestal, but hung on a shelf. We exhibited the first marble run that was hanging. The marble run had already made a good impression on the journalists at the preview and also convinced the dealers. But not only the marble run met with great interest, but also the other new products that will soon be available in many toy shops - so you can be curious! (Page 4+5)



## Watch out for model makers

### Your models are in demand again

This year's Fan Club Day will take place on 9th May in Tumlingen. Here you have the chance again to show your fischertechnik models at the big fan model show! This is the absolute highlight of the event every year. We are already excited to see what gems you will present to us and the visitors! There are also many exciting activities waiting for you - it's worth keeping the day free in your calendar. Here's a foretaste of the different attractions: there will be a fischertechnik new products show, lots of join-in activities, an active insight into the manufacture of our products and a special sale where you can buy fischertechnik. As in previous years, this year the fischer apprenticeship programme will be held in parallel. This will also give you the opportunity to find out about all the divisions of the fischer group of companies and our training system. Would you like to be there and exhibit your model?

Then get in touch online by 1st April for the model show  
[www.fischertechnik.de/FCT2020](http://www.fischertechnik.de/FCT2020).

We are happy about every registration and welcome you warmly!

If you still have questions for us, please contact us:

e-mail: [Felix.Witzelmaier@fischer.de](mailto:Felix.Witzelmaier@fischer.de)/ Phone: +49 7443/12 4862.

We are looking forward to a sensational fischertechnik Fan Club Day 2020 with you!



## HELLO DEAR FANS,

You are already curious to learn more about the new products 2020? You can find a lot of information about new products on page 4-5. Mathias Schifferdecker, a longtime fischertechnik fan, has written a report about his experiences with fischertechnik. You can find it on page 3.

Our apprentice Janne has designed a great Fan Club model for you. You can find the building instructions for the radio tower on pages 7 and 8. Enjoy reading the new FAN CLUB News issue!  
Yours

*Janne*





# DATES 2020

## Trade fairs:

|                          |                 |                     |
|--------------------------|-----------------|---------------------|
| OFFA                     | St. Gallen      | 15.04. – 19.04.2020 |
| Consumenta               | Nuremberg       | 24.09. – 01.10.2020 |
| Science Days             | Europapark      | 22.10. – 24.10.2020 |
| Modellbau-Messe          | Vienna          | 23.10. – 26.10.2020 |
| Faszination Modellbau    | Friedrichshafen | 30.10. – 01.11.2020 |
| Spielraum                | Dresden         | 07.11. – 08.11.2020 |
| South Germany's toy fair | Stuttgart       | 19.11. – 22.11.2020 |
| Spiel Aktiv              | Innsbruck       | 27.11. – 29.11.2020 |

## Events:

|                                   |                |                     |
|-----------------------------------|----------------|---------------------|
| RoboCup                           | Magdeburg      | 24.04. – 26.04.2020 |
| Schul-Robotik-Cup                 | Karlsruhe      | 16.05.2020          |
| E4 Festival                       | Hockenheimring | 05.06. – 07.06.2020 |
| fischertechnik primary school day | Karlsruhe      | 04.07.2020          |

## Fan Club Day

Waldachtal 09.05.2020

## By fans, for fans:

|                  |                     |                     |
|------------------|---------------------|---------------------|
| North convention | Wedemark / Hannover | cancelled           |
| South convention | Sinsheim            | 19.09. – 20.09.2020 |

## Special sales:

|            |                                |                             |
|------------|--------------------------------|-----------------------------|
| Stock sale | Wolfäcker 1, 72178 Salzstetten | 05.12.2020<br>09.00 – 12.00 |
|------------|--------------------------------|-----------------------------|

To make it easy for you to log in in November, you will find your Fan Club Number on the cover of this fan magazine. Of course you can already try out the login now and browse through the Fan Club area. Is there anything you miss or what we can change? Let us know!



# Fan magazine online

## With more content

So far you are used to us sending you the fan magazine home twice a year. Since the world is becoming more and more networked and digital, we will change something about it from this year on. But don't worry, this will not be to your disadvantage.

The second fan magazine 2020 we will still provide you with a PDF file. The new thing is that we no longer print the second issue and send it by post, but make it available online.

So you can easily access, print or send the magazine online.

You are surely familiar with the topics and discussions around the ecological footprint? We believe that we can also contribute to this with our online edition. With it, we can send you the information in a different and more modern way. But we would also like to offer you the contents of the magazine in a new and modern form. Therefore, we will make the contents of the Fan Club News with more pictures and interactions available online on the fischertechnik homepage. You can also print the magazine on your own printer. You cannot imagine that yet? Then let us surprise you!

From mid-November the fan magazine 02-2020 will be available for you online in the fan area at [www.fischertechnik.de/FanClubNews](http://www.fischertechnik.de/FanClubNews).

## You are now wondering how you can register online in the fan area?

It's very simple! Go to [www.fischertechnik.de/FanClub](http://www.fischertechnik.de/FanClub). Under the login you have two possibilities:

### 1. You have already registered online?

Then you have to enter either your nickname, your e-mail address or your fan club number together with your password - and you're in!

### 2. You have never registered online in the fan area before?

This is also very simple! Enter your Fan Club number, your zip code and your e-mail address. Then create a nickname for your account and enter a password. You are already registered online.



# An impressive variety of models

## At this year's model show in Münster

The fischertechnik model show from Münster took place for the fourth time.

A total of 18 exhibitors presented their self-built fischertechnik models and attracted more than 500 visitors to the assembly hall of the Kardinal-von-Galen-School. Many of the exhibitors were already busy months in advance with planning and building their designs. There were models of various topics on see.

Besides fairground attractions and marble tracks, there were also many models from Logistics and warehouse automation. Christian Wiechmann from Lübeck had the longest journey. He was there for the second time and this time he presented a bumper car made of fischertechnik. He started building his model before Christmas. "On weekends I sometimes worked on it until two in the morning", reports Christian.

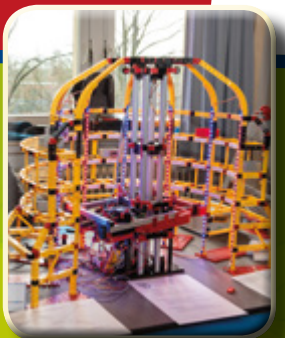
Also impressive was Lernfabrik 4.0, which was presented by the group from Münster University of Applied Sciences. The simulation model is used to learn and understand industry 4.0 applications.

It depicts a holistic production process from ordering to production and delivery in digitized and networked process steps. Students from a Junior Engineering Academy presented their self-built models from the field of autonomous industrial robots, which they had built and programmed in the first half of the school year.

Linus Grefrath and Lukas Gruhle were there for the first time and also proudly presented their automated shelf storage construction. It took them a total of seven weeks for construction and programming.

The soldering courses were another highlight of the day. Long queues formed in front of the amateurs' workbenches, where children could solder small electrical circuits together under expert guidance.

We at fischertechnik are thrilled by what our fans are doing here again and again.





# Mathias Schifferdecker

Hello dear fischertechnik fans, my name is Mathias, I am 50 years old and would like to tell you how fischertechnik has accompanied and shaped me all my life up to my current professional activity.



My first contact with fischertechnik was during one of the game afternoons organised by fischerwerke in the 70s in various cities in Germany. Since that time I have been an absolute fischertechnik fan and that hasn't changed until today! I got my first construction kit 300 with motor and battery stick from my father at Christmas. Wow - I was very happy, MY FIRST OWN BUILDING KIT!

The creativity awakened in me by this, was no longer limited: Airplane, tractor, truck, excavator and cable car were built and used by me in turn. An important side effect of building and constructing with the parts and components of the fischertechnik construction kit was to gain initial experience and understanding of mechanics, electric motors and electricity. But at that time, of course, I did not know how these first insights would be helpful to me later at school, in my vocational training and in my inventions. Speaking of inventions: One of my first fischertechnik inventions was an open helmet with automatic switch-on lighting using a photo resistor and the possibility of sliding various optical lenses in front of the eyes.

My wish to build larger and more complex models with new additional functions, I could gradually realize thanks to my wish list for fischertechnik construction kits for every birthday and Christmas, like at that time the Mini-Mot (32091), pneumatics (30863); compressor (30866), the construction track (30102) and the Computing Robot (30554) with interface (30562) - at that time still with a Commodore C64.

Thereby I learned a lot and improved my understanding of electrical and mechanical Connections became more and more extensive and better.

At the age of 18, I took second place with a fischertechnik functional model of a linear compass at the nationwide Youth Inventor Award at the IENA in Nuremberg 1989.

Designing and playing with fischertechnik had awakened my ambition to definitely complete a technical degree. During my mechanical engineering studies, I built simulation models with fischertechnik (e.g. all-wheel drive vehicle with air suspension chassis). The fischertechnik components also helped me to develop my first own design loudspeakers as a student.

In order to be able to test the first cabinet designs for this new type of loudspeaker system in the sound measurement laboratory, I used the new aluminium profiles and angle stones to simulate the shape of the cabinet. The result of this loudspeaker development was at that time a small series, which I could sell to HiFi enthusiastic customers.

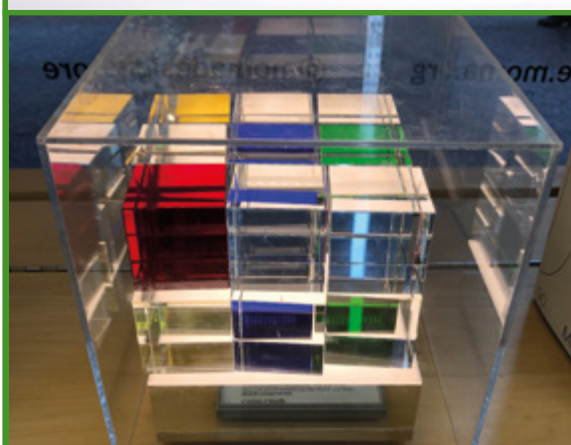
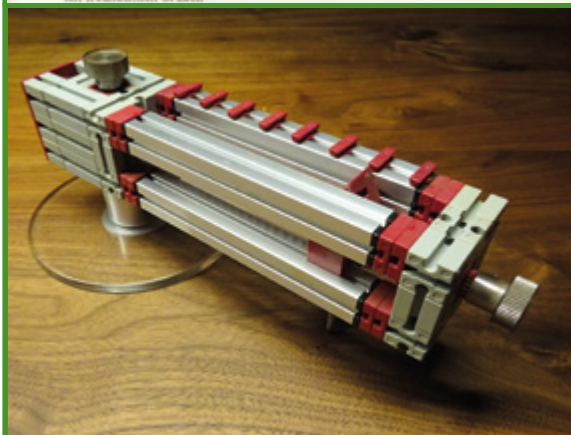
As an absolute fischertechnik fan, I was then granted the wish during my studies to complete two specialist internships at the fischerwerke in Tumlingen. I learned a lot about plastic injection moulding production coordination and optimisation of manufacturing processes, machine control programs and the necessary planning tools, which has given me a lot of specialist knowledge to this day.

As I am still incredibly interested in the subject of technology and design in addition to my job as project manager for electric mobility at an exclusive premium vehicle manufacturer, fischertechnik components have again contributed to the development of the first prototype of an object and design lamp in 2012. Because, like fischertechnik, this consists of individual modules, in this case including glass blocks. The fact that you can achieve lasting success with the skills you learn at fischertechnik is shown by the fact that my Cube Light CL1 is now in the Museum of Modern Art in New York, Shanghai and Hong Kong and is sold worldwide.


fischertechnik building blocks and components, which shaped and creatively motivated me at the time, will certainly also have a valuable influence on your future personal and professional development.


I wish you lots of fun and many creative ideas and experiences with fischertechnik.


Your Mathias





## YOU CAN REACH US:


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Fax +49 (0) 7443 12-4591


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[info@fischertechnik.de](mailto:info@fischertechnik.de)

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 [www.youtube.com/fischertechnikTV](https://www.youtube.com/fischertechnikTV)  
[www.fischertip.com/youtube](https://www.fischertip.com/youtube)

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# NEW

## 4

## New for the little ones

### Extension of the Junior Easy Starter products

last year, we successfully launched the Junior Easy Starter line for children aged three years and older. This year we have extended this line by two construction kits. The early start with fischertechnik is made possible by the large construction elements and fast construction successes. Do you know small children who already want to play with fischertechnik but are still too small for that? This month, we are launching the two new Easy Starter products on the market for these kids.

#### Easy Starter Fire Trucks

Tatüü-Tataa-Tatü-Tataa - the fischertechnik fire brigade is here! With the new construction kit, the little ones become the heroes of everyday life. A total of four different emergency vehicles can be built, and it's child's play to do so: All that's needed is to screw the various attachments such as a water tank, an extendable turntable ladder or a cable winch onto the red basic vehicle or the two-axle trailer. The fire engine can thus change its appearance at will. No matter whether it is a turntable ladder vehicle, a tow truck or a tank fire engine - the main thing is that the fire is extinguished! With the new Easy Starter Fire Trucks, small children from the age of three can slip into the role of the firefighter.



#### Easy Starter Trucks

There is always something going on at the construction site! There is excavation, concreting, and work - we supply the appropriate equipment. The new toy excavator Easy Starter Trucks guarantees pure construction site atmosphere. Children from the age of three years become excavator drivers. The excavator attachment can also be mounted on the yellow base vehicle by simply turning it. The excavator arm can be rotated 360°, raised or lowered and the bucket has a tilt function. For the little ones this means: let's go, off to the sandbox and dig the excavation pit. When the excavation is completed, the excavator can be converted into a construction site truck in a few simple steps. To do this, the removable excavator arm is replaced by the fischertechnik base plate and further assembled on it.



To all little fans and those who want to become fans: Our JUNIOR Easy Starter Sets are our tip for entering the world of fischertechnik. The system can be combined with the other fischertechnik construction kits.



#### JUNIOR Easy Starter Fire Trucks

- ages 3 and up
- 4 models
- 45 components
- price: 44,95 Euro
- already available



#### JUNIOR Easy Starter Trucks

- ages 3 and up
- 2 models
- 24 components
- price: 29,95 Euro
- already available



## From small to big

### With the new smartphone microscope

You want to take unique and highly magnified pictures with your smartphone that are not possible with a normal camera? If so, the Smart SuperZoom Discovery Set is just what you need. With this mobile phone microscope the smallest things come out big! For example, you can use the smartphone microscope to look at small insects, leaves or other small objects that you have always wanted to enlarge. Thanks to the high-quality lens, you can magnify your motifs up to 26 times, depending on your phone, examine them and save them in your pictures. You can then share the best photos of your journey of discovery with friends.

By the way, it does not matter what kind of smartphone you use. The magnifying glass is adjustable and can therefore be flexibly adjusted to your mobile phone. The only important thing is that the camera of the smartphone is positioned directly above the lens. You are afraid that your smartphone might fall down while taking pictures? We can take this worry away from you, because the smartphone is attached to the microscope with a so-called Vacuum Pad. All this holds without any glue and you can remove the phone from the model at any time without leaving any residue. The mobile phone magnifier is compatible with all types of smartphone. The handy size of the model means you can take it with you anywhere and instantly enlarge things that seem too small for you. A real discovery set that turns your smartphone into a microscope for on the go!

#### The operation is really easy! Here's how it works:

- Assemble microscope.
- Attach the smartphone to the fischertechnik base plate using the Vacuum Pad. Make sure that the camera is directly above the magnifying glass.
- Place any object under the microscope.
- Activate the camera on the smartphone.
- Shoot photos and then share the great close-ups with pleasure.



#### PROFI Smart SuperZoom

- ages 7 and up
- 1 model
- 32 components
- Ideal addition: LED Set
- price: 19,95 Euro
- with Vacuum Pad
- already available





# Plenty of room for creativity

## With the new Creative Boxes

Expand, invent, develop - just the right thing for you! We thought it was time to rework our Creative Box 1000. The idea has now resulted in two Creative Boxes, which will certainly bring you great building fun. The Creative Box Basic and Creative Box Mechanics complement any collection of building blocks and also offer practical storage. The sorting inserts, which provide for flexible partitioning, bring order. The numerous components can be stowed away in a space-saving way and you will never lose the overview.

### **Creative Box Basic**

As we know you, impressive building constructions are created from the fischertechnik Creative Box Basic thanks to your creativity and imagination. The new, large Creative Box contains a total of 630 components and a base plate, which also serves as a practical lid for the storage box. The building blocks are the current range of basic blocks, angled blocks, building boards, static elements and other "basics" in the various fischertechnik colours. The ideal basis for you to create great and creative things or to expand and pimp your existing fischertechnik models. The modules are delivered in Box 1000, which as always has many sorting options. So there is always order in the box. Beginners can of course also use the box. For all those who still need a little help, we have included small instructional tips with building aids and functionalities.

### **Creative Box Mechanics**

The Creative Box Mechanics is THE choice for those who want to bring more movement to their models, are interested in drive components or want to expand their collection of gears. The gears, racks, winches, axles, chain links and much more contained in the Creative Box Mechanics ensure smooth movement. Thanks to this box, building winches with pulleys, chain drives or different types of gears is a breeze for you.

The box contains a total of 290 components related to drive and mechanics. The components are stowed in two 500 plastic boxes. Thanks to the flexible sorting inserts, you can sort, store and tidy the components. The base plate is again used as cover for the boxes. As fischertechnik professionals, you will certainly not need a manual, but we do include a manual as a starter aid which explains the basic functions of the included modules and shows model examples.

5

NEW

### **PLUS Creative Box Basic**

- ages 7 and up • 630 components • price: 119,95 Euro
- already available



### **PLUS Creative Box Mechanics**

- ages 7 and up
- 290 components
- price: 59,95 Euro
- already available



## A marble run that hangs

### Thanks to the fischer Vacuum Pad

Have you ever seen a marble run floating on a shelf? This is exactly the special feature of our new Hanging Action Tower construction kit! But how is such a thing actually possible? We reveal the secret! We have worked with our colleagues who manufacture anchors and fixing systems. They already have the Vacuum Pad on offer. This was our solution for the spectacular marble run! With the Vacuum Pad you can hang the tower-like, almost 1 meter high marble run on your cupboard or shelf. If the ball track hangs on any horizontal edge, it's gonna be action-packed. After a ball collector, in which the number of balls can be freely adjusted, releases the marbles, they rush downwards on two tracks.

Past several bends, further downhill through a flexible tube, through funnels and many other chicanes. Once they arrive at the bottom, the balls are transported back up with our new elevator. The innovative belt system of the Easy Elevator has the advantage that the elevator can be set up quickly and easily.

Therefore it is also suitable for the creation of high constructions. As usual at fischertechnik, this elevator belt is flexible in use. A single band has a length of 360 millimetres. The tapes are held together by the magnetic holders. The innovative belt system can be driven manually via a chain or with an additional motor.

The spring-loaded tension pulley on the elevator ensures even tension of the belt and at the same time trouble-free operation. Even in the dark the fun knows no limits! Stickers such as lightning bolts, arrows etc. that glow in the dark make the marble run an absolute highlight in your child's room. And here's the kicker! We have given the new marble run, or rather its rails and marble run elements, a new colour, which we think is particularly chic: silver.

## VAKUUM PAD

A suction cup is really strong. Now imagine a pad has a thousand little suction cups. It is the same with our Vacuum Pad. The many tiny suction cups make the pad a perfect adhesive surface. The suction cups are so small that you cannot see them with the normal eye. The pad can be applied flexibly and quickly to many smooth surfaces. You want to move it sometime? No problem. Simply detach it and put it somewhere else and attach your items to it.

A little guide for you on how to use the pad properly:

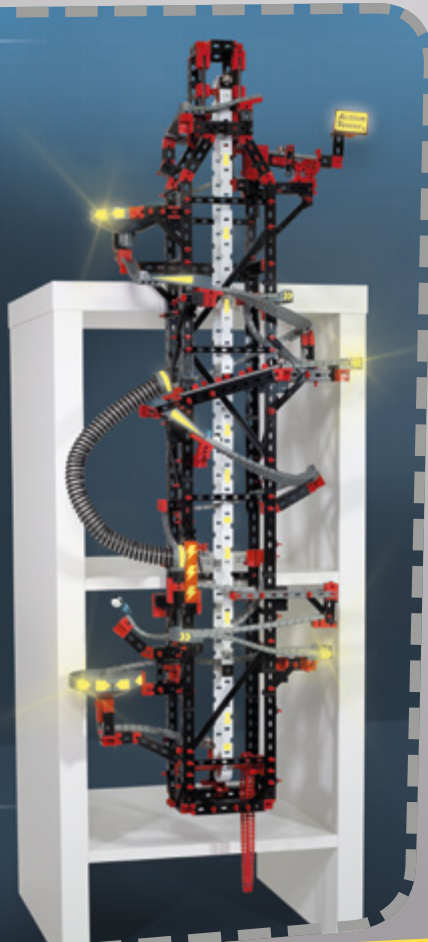
- You have to clean the surface to which the pad is to be glued.
- Next, simply remove one of the two protective foils on the pad.
- Now you can easily press the object onto the surface of the Vacuum Pad (without protective foil) with your hand.
- For a better holding power you have to take a short break afterwards.
- In the next step you have to remove the second protective foil.
- Now take the vacuum pad and attach it to the wall, shelf or similar.
- Before reuse, simply rinse the pad under water and let it dry.

The Vacuum Pad works without glue and therefore leaves no residue on your surfaces or objects.

### **Lightning Brain: Why does a suction cup hold?**

You probably know suction cups from the household, e.g. for holding toothbrushes or towel hooks. Sometimes they last forever. But why? A suction cup is made of a soft material. If you press it against a clean, dry and smooth surface, the air underneath is sucked out. This creates a so-called vacuum. The suction cup sucks itself tight and thus adheres to surfaces. Some animals are equipped with suction cups. The best known example is certainly squids, which have countless suction cups on their tentacles.

96 cm



### **PROFI Hanging Action Tower**

- ages 8 and up
- 3 models
- 775 components
- Ideal addition: Dynamic Trampoline, Motor Set XS, LED Set
- price: 99,95 Euro
- with flex-tube, vacuum pad, new elevator, glow-in-the-dark sticker sheet
- available from June





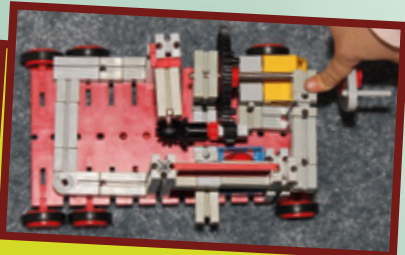
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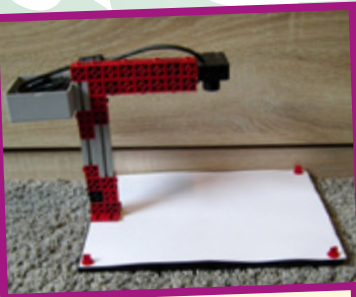
## GALLERY, GALLERY, GALLERY



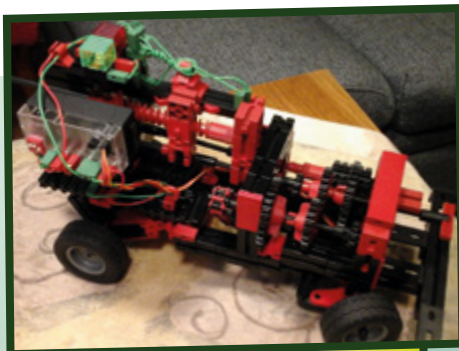
YOUR photo could be here!



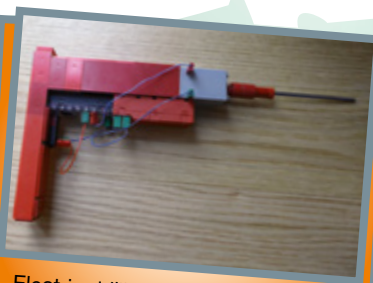
Lawnmower, Martin



Scanner, Luca-Alexander (13 years)



Vehicle, Jake (13 years)



Electric drilling machine, Tobias (8 years)



DHL truck, Rasmus (14 years)



Wooden rear wagon with pneumatic crane, Lukas (14 years)



Marble run, Orlando (11 years)



Marble run, Philipp (7 years)



Remote-controlled multifunctional robot, Vasco (13 years)



Bridge, Linus (12 years)



Rail, Raphael (7 years)

## CONGRATULATIONS!

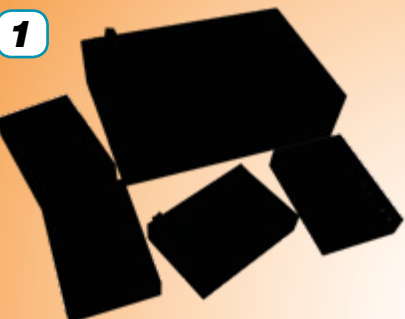
In issue 02/2019, Leon from Kälberbronn found all eight hidden fischerTiPs on the Fan Club News pages. With his correct answer he has won an ADVANCED Funny Machines construction kit. Lukas from Rüdenu has solved the toss task. Component four had to be moved to get the correct calculation. He has won a PROFI Hydraulic with it. We congratulate all winners!

The winners are informed in writing.  
The organisers' decision is final.

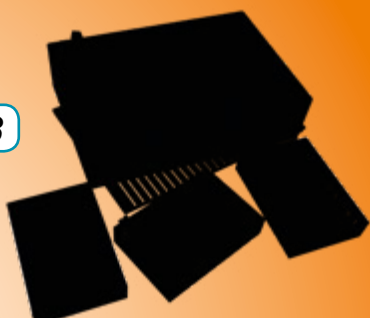
## Shadow pictures

Which shadow image belongs to the original image? Please send us the number of the corresponding shadow by 30 April 2020 by e-mail with the subject "shadow image" to the e-mail address [gewinnspiel@fischertechnik.de](mailto:gewinnspiel@fischertechnik.de). You can win the new Creative Box Basic. Good luck!

1



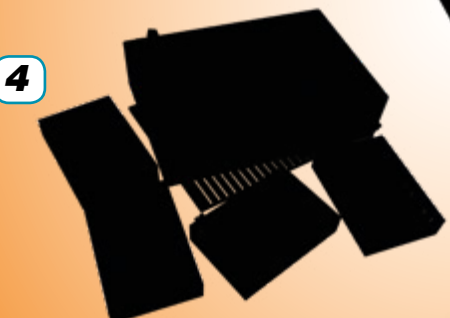
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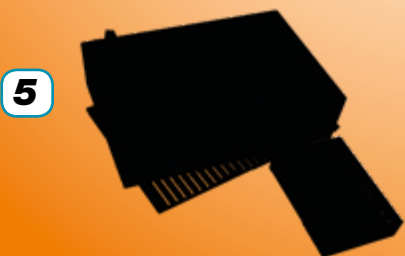
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## What does it say?

Each fischertechnik individual part stands for a letter. Can you use the fischertechnik alphabet to find the solution word? If so, send it to us with the subject "Alphabet" by 30 April 2020 to [gewinnspiel@fischertechnik.de](mailto:gewinnspiel@fischertechnik.de) – we look forward to hearing from you. The ADVANCED Universal Starter kit can be won. Good luck!





# BUILDING INSTRUCTIONS

NO. 56

Collectibles

FAN CLUB Model  
Radio Tower

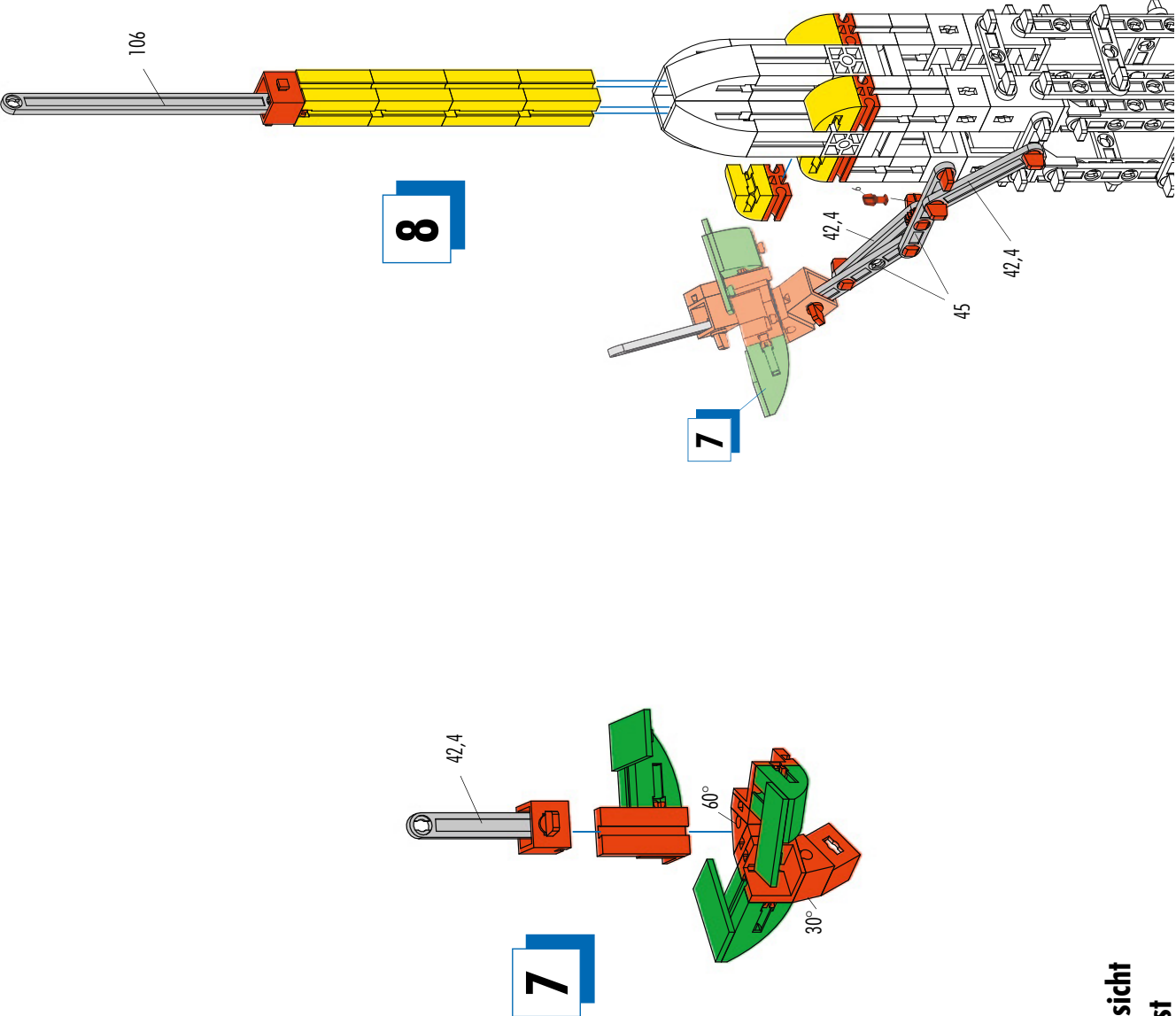
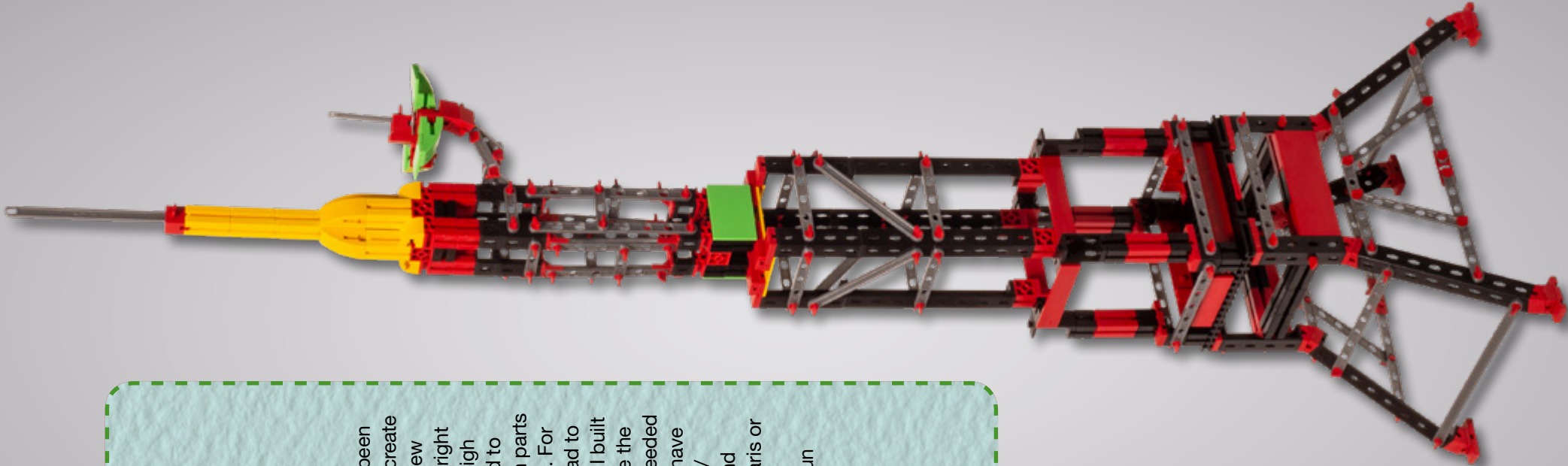
During my time at fischertechnik I have been given a wonderful job. I was allowed to create a fan club model for you fans from the new Creative Box Basic. For me it was clear right away that I wanted to build a tower as high as possible with so many parts. So I had to think carefully about where to use which parts in a sensible way to avoid wasting them. For the tower to be stable, the foundation had to be wide enough. With increasing height I built the tower narrower and narrower to save the parts that would otherwise have been needed for longer cross connections. Visually, I have orientated myself on well-known towers/skyscrapers, which also start broadly and increase in height. (Bsp.: Eiffel Tower, Paris or Burj Khalifa, Dubai)

I hope you like my own creation. Have fun rebuilding it.


















































Your Janne



**Name:** Janne Böhm  
**Age:** 19 Jahre  
**Job:** Trainee (mechatronics engineer) at fischer since 2018  
**At fischertechnik:** 07.01.2020 – 28.02.2020



Einzelteilübersicht  
Spare parts list

|   |        |      |   |        |       |   |        |     |   |         |     |   |         |     |
|---|--------|------|---|--------|-------|---|--------|-----|---|---------|-----|---|---------|-----|
|  | 31 010 | 1 x  |  | 32 882 | 8 x   |  | 36 973 | 7 x |  | 38 464  | 2 x |  | 160 545 | 8 x |
|  | 31 011 | 9 x  |  | 35 049 | 9 x   |  | 37 237 | 6 x |  | 116 251 | 8 x |  | 160 546 | 2 x |
|  | 31 061 | 2 x  |  | 35 129 | 2 x   |  | 37 238 | 4 x |  | 116 252 | 8 x |  | 160 548 | 1 x |
|  | 31 667 | 2 x  |  | 36 293 | 8 x   |  | 37 468 | 8 x |  | 136 528 | 8 x |  | 163 042 | 2 x |
|  | 31 674 | 8 x  |  | 36 323 | 107 x |  | 38 240 | 7 x |  | 137 654 | 2 x |  | 163 202 | 3 x |
|  | 31 981 | 8 x  |  | 36 324 | 1 x   |  | 38 243 | 4 x |  | 153 367 | 4 x |  | 172 543 | 4 x |
|  | 31 982 | 8 x  |  | 36 334 | 1 x   |  | 38 244 | 4 x |  | 153 668 | 8 x |  | 172 544 | 4 x |
|  | 32 064 | 10 x |  | 36 920 | 8 x   |  | 38 245 | 2 x |  | 153 669 | 6 x |  | 173 045 | 8 x |
|  | 32 850 | 4 x  |  | 36 921 | 8 x   |  | 38 251 | 2 x |  | 153 670 | 8 x |  | 176 669 | 4 x |
|  | 32 879 | 8 x  |  | 36 922 | 8 x   |  | 38 423 | 8 x |  | 156 105 | 3 x |   |         |     |
|  | 32 881 | 16 x |  | 36 950 | 4 x   |  | 38 428 | 8 x |  | 156 504 | 3 x |   |         |     |