

FAN CLUB NEWS

fischertechnik 

NO. 02/21



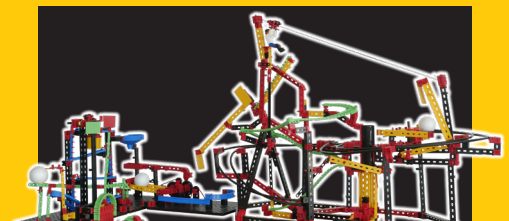
**ONLINE
WAREHOUSE SALE IN
DECEMBER**



**ALL ABOUT
THE NOVELTIES
IN 2021**



**FAN CLUB MODEL:
COMBINATION**



Where to put my wish list



Unfortunately, we will not be able to welcome you to our warehouse sale here at the fischertechnik factory again this year. We are also very sad about this, but we had to make this decision in order to protect you, your families and our employees and not to take any risks. Now, of course, you are rightly asking yourselves: „Where do I put my wish list then?“ As always before, we've come up with something again.... so have pen and paper ready!

DIGITAL WAREHOUSE SALE WITH 20% DISCOUNT

When? **December 3-6, 2021** Dezember
Where? www.fischertechnik.de or
directly via www.santjohanser.de



What? **Fabulous 20% discount on the current range of fischertechnik & fischer TIP (single parts excluded).**
In addition you can expect exclusive special packages! It is worth to have a look in any case!



Christmas isn't far away!



NEW IN 2021

There was a lot going on at fischertechnik this year! There were novelties in spring, then again in summer and again in autumn... a whole lot of cool new construction kits and we hope you haven't lost track of them yet! Here we show you the ten new kits in detail, so that you, as fischertechnik professionals, are always up to date!



STRONG PNEUMATICS
 Age: 9+ Pieces: 660
 Topic: Pneumatics
 Models: 6 (Function model, Tree trunk gripper, Front loader, Double rotary windrower, Scissor lift, Clamping machine)
 Highlights: Compressor, Double-acting cylinders & Exhaust throttles

FUNNY REACTIONS
 Age: 8+ Pieces: 682
 Topic: Chain reactions
 Models: 3 Parcours
 Highlights: Nominated for the „German Toy Award 2021“ & „TOPIO Toy 2021“





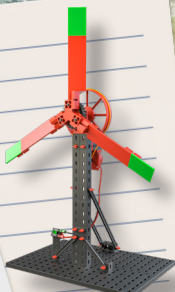
GREEN ENERGY

Age: 9+ Pieces: 343

Topic: Extraction, storage and use of natural energy sources

Models: 14 (+2 with H₂ Fuel Cell Car)

Highlights: Winner of the German Toy Award 2021, category „Game & Technology“



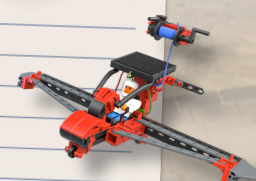
SOLAR POWER

Age: 8+ Pieces: 167

Topic: Solar energy as a driving force

Models: 4 (Airplane, Helicopter, Carousel, Wind turbine)

Highlights: Solar motor & solar module are included!



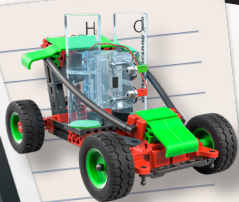
H₂ FUEL CELL CAR

Age: 9+ Pieces: 117

Topic: Use of hydrogen as propulsion technology

Models: 1 (also possible to combine with the „Green Energy“)

Highlight: Fuel Cell



Bundesverband des Spielwaren-Einzelhandels e.V.

RGB GESTURE SENSOR

OMNIWHEELS

ROBOTICS SMARTTECH

Age: 10+
Pieces: 530
Topic:

Programming for beginners, advanced and professionals
Models: 9 (Optical illusion, Twilight switch, 2-wheeled robot + 2-wheeled robot Advanced, Dancing robot, Ballrobot, Forklift, Basic- & Complete model)
Highlights: Nominated for the "German Toy Award 2021"



TXT 4.0 CONTROLLER



OMNIWHEELS

ROBOTICS HIGHTECH

Age: 10+
Pieces: 580
Topic:
Complete package for robotics fans
Models: 9 (Functional model, Omniwheels x2 & x4 with and without sensors, Cameraman, Ball robot, Painting robot, Football robot, Barcode reader
Highlight: The new TXT 4.0 Controller with new software ROBO Pro Coding (voice control & programming also possible with Python!) PLUS extensive sensor technology!





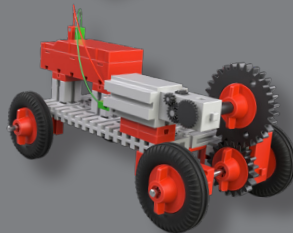
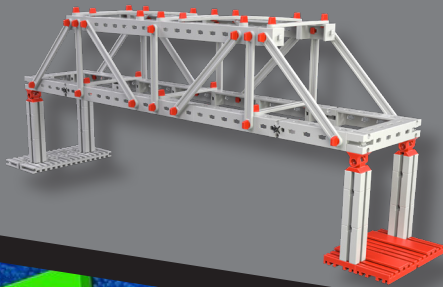
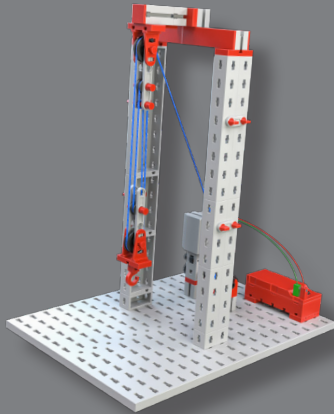
E-TRONIC

Age: 9+ Pieces: 340

Topic: Electronic circuits & power circuits

Models: 16 (e.g. garage door, marble run, alarm system, elevator and many more!)

Highlights: New circuit boards for comfortable construction of the circuits & the new E-Tronic module with 16 fixed programs!



RETRO MECHANICS

Age: 8+ Pieces: 500

Topic: Mechanics

Models: 30 (e.g. windshield wipers, bridges, vehicles, barrier and many more!)

Highlights: Historic gray components & included engine!



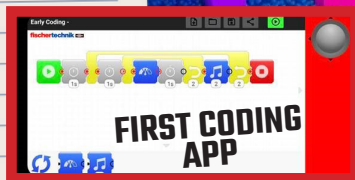
EARLY CODING

Age: 5+ Pieces: 55

Topic: Programming at elementary school age

Models: 3

Highlights: New software „First Coding“ & completely assembled chassis with motors, push buttons and infrared sensor



STORY

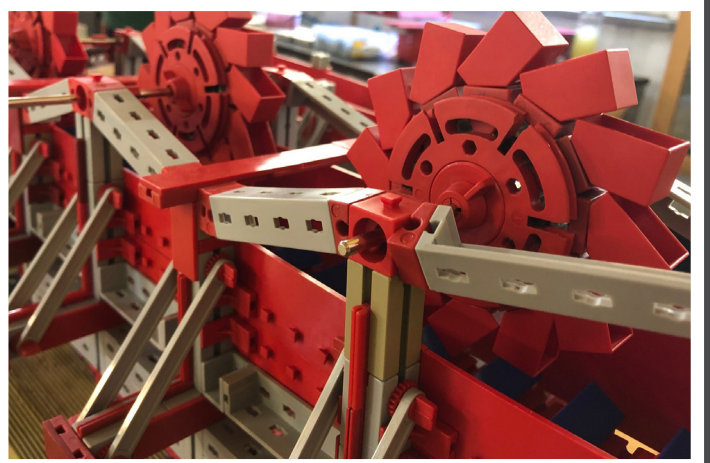
BUILDING WITH FLAIR

Ingwer Carstens is a passionate fischertechnik designer. He is currently building meter-high water wheel models for various exhibitions. The special thing about it: He is almost blind.

When Ingwer Carstens and his wife sit together in the evening, they like to listen to an audio book. Meanwhile, he devotes himself to sorting and cleaning fischertechnik building blocks. He is almost blind - as is his wife. Ingwer Carstens attended the school for the blind as a child, and even then the now 62-year-old came into contact with fischertechnik. A tinkering activity that has never let him go. „Back then, it was about 50 kilograms of material,“ reports Ingwer Carstens. Today, he estimates his stock at around 600 to 700 kilograms.



That's quite a lot and the tinkerer knows how to put it to good use. His current project is a large-scale installation for the hobbyists' association of the „Wennigser waterwheels“. The association has more than 20 waterwheel models that can be admired southwest of Hanover from the end of April to the beginning of October. Ingwer Carstens would like to add an exhibit for indoor use to this collection. It is to be three and a half meters long when completed. In addition to the water wheel, it includes a mill, a blue conveyor belt representing water and a classic carousel. In 2018, Ingwer Carstens, who is also a member of the fan-organized fischertechnik community, began developing the concept until he set about implementing it in 2020. Given the dimensions, he came up against certain limits, but as an inveterate constructor, he knew how to help himself. The thickest axles from fischertechnik are four millimeters thick, but that is too weak for a wheel with a

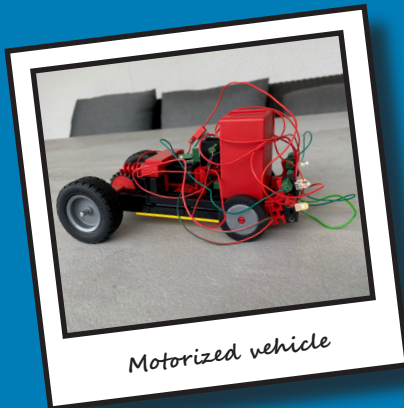
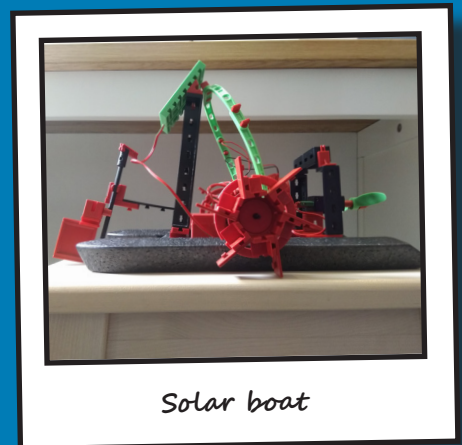
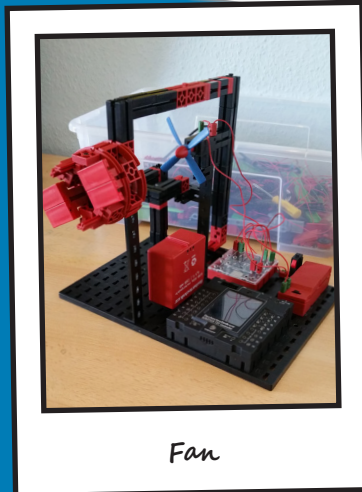
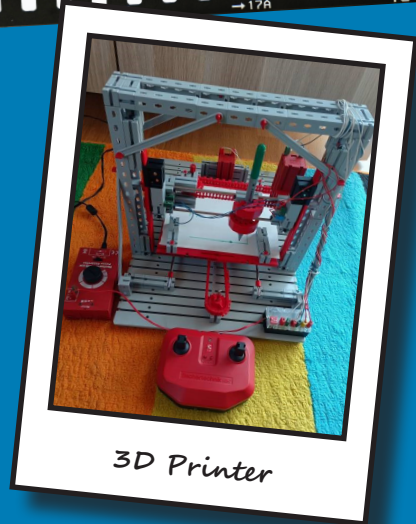


diameter of 60 centimeters,“ explains Ingwer Carstens. So he took a ball bearing and inserted into it a housing he had created himself using 3D printing, which could accommodate a square tube (15.2 x 15.2 mm) and was also compatible with fischertechnik. When it comes to building, Ingwer Carstens is helped by his enormous experience, his - literally - sure instinct and, despite limitations, his eyes. „I have all the building blocks from the past in my head,“ he explains. „After all, there are repeat assemblies, so if you build them 30 times in a row, it goes faster and faster each time. Small-scale building steps help, even Henry Ford knew that.“



Even though his water wheel system has not yet been completed, Ingwer Carstens has already thought of other projects that he would like to realize with fischertechnik. Maybe you will soon be able to read something new about him and his projects!

GALLERY



Thanks a lot for the interesting and funny models you sent us again! You are creative and hardworking and often build your own models? You are also fit without building instructions and construct different models just "free will"? You always have really cool model ideas? It would be a pity if nobody but you sees them! Just send us a picture of your self-made model to info@fischertechnik.de

The most beautiful models will be here in the Fan Club News. So get to the building blocks!

YOU CAN REACH US:

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from 8.30-12.00 am and
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FUN!

CAN YOU FIND THE 5 MISTAKES* IN THE SECOND PICTURE?



* One more skyscraper in the background / more earth in the yard of the house / shadow of the solar vehicle is missing / a solar helicopter has crept in / a hole is missing at the foot of the solar filling station

FAN CLUB MODEL



NO.59
COLLECTIBLES

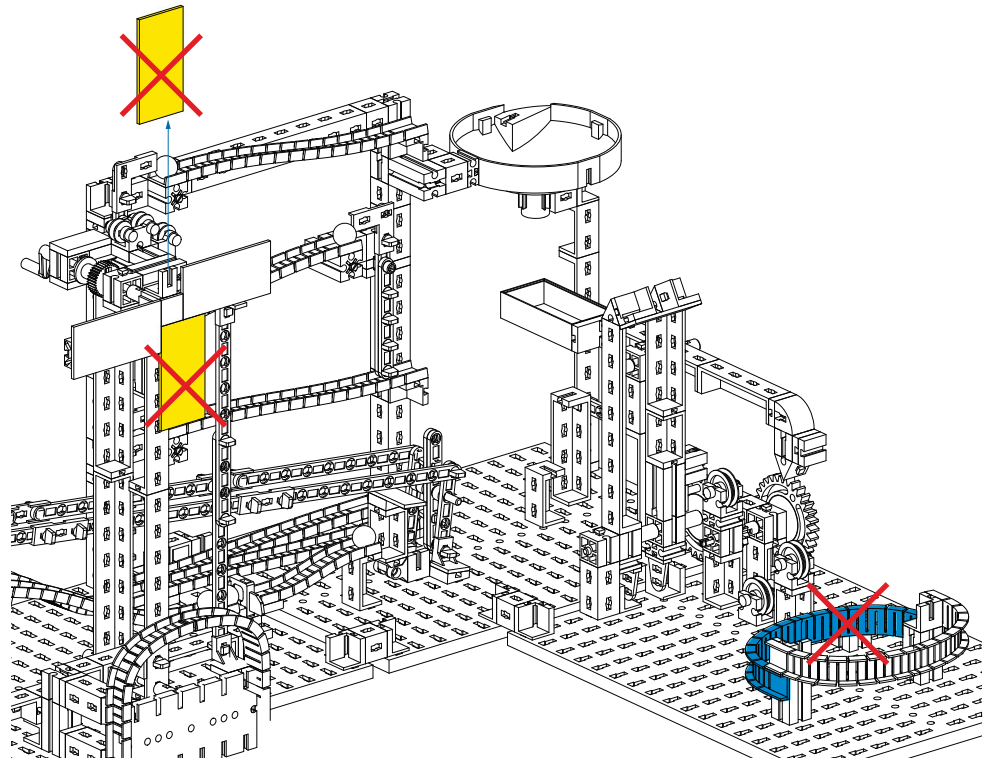
With a few simple steps you can combine the two separate chain reactions into one big one! This way you get a cool COMBINATION MODEL!

You want to expand your chain reactions? Then we have the perfect Fan Club Model for you! After you've built the two title models of the Funny Machines and Funny Reactions kits, you're ready for their conversion. Simply use the following building instructions! Then place the models as shown in the picture above, then you can prepare the chain reaction. The hints, which lever has to be erected & turned how and where, can be found in the original building instructions. Are all balls in place & all rubbers tightened? **Then you're ready to go!** Start the Funny Machines model first. The last jump in this model is the „flying styrofoam ball“, which triggers the first lever in the Funny Reactions title model. And you have a really long and exciting chain reaction! **Have fun playing, testing and tinkering!**

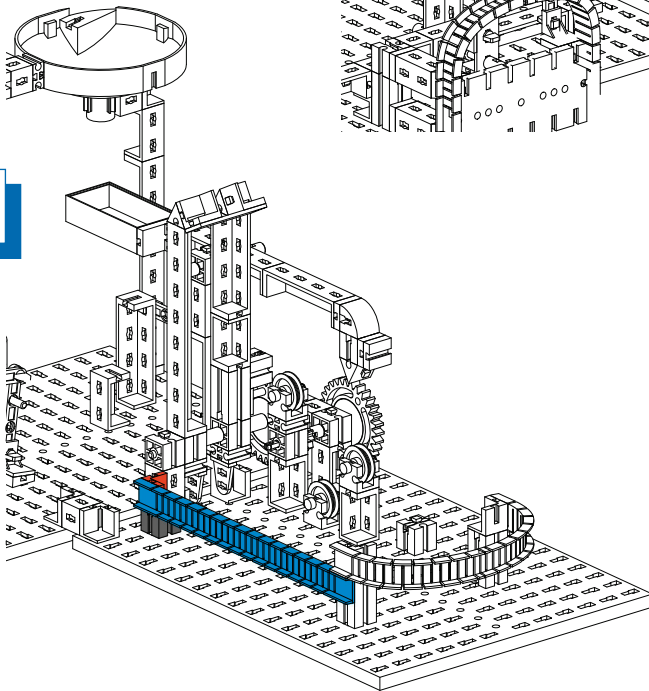


Funny Machines Parcours 1

1

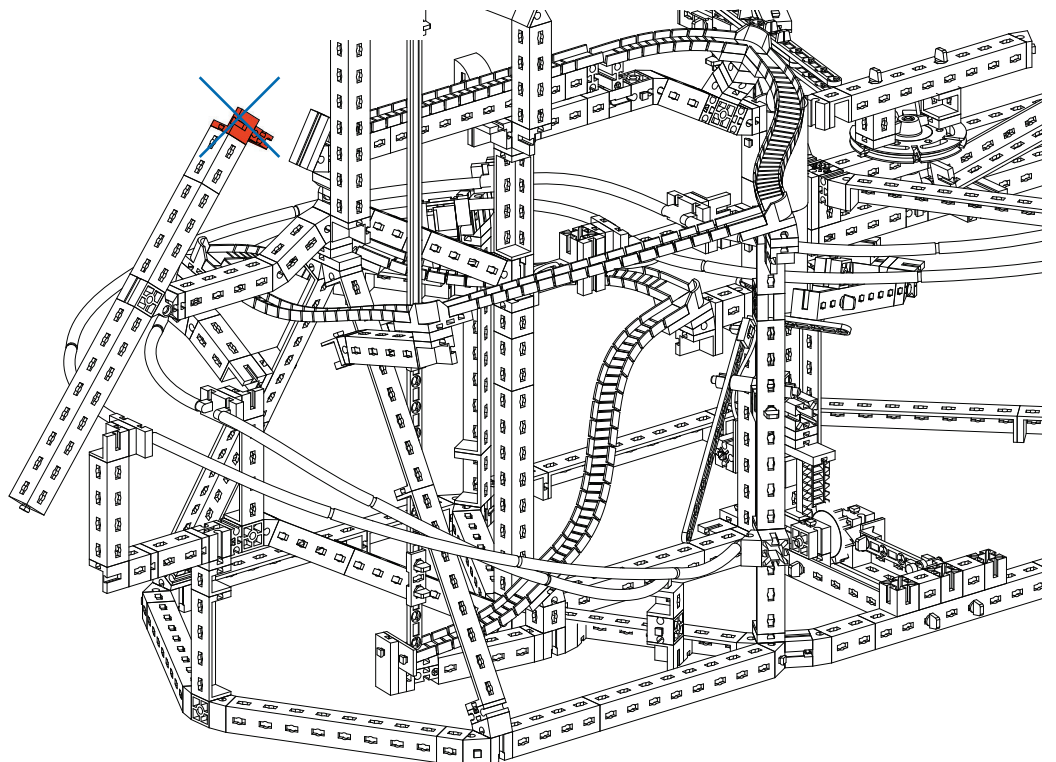


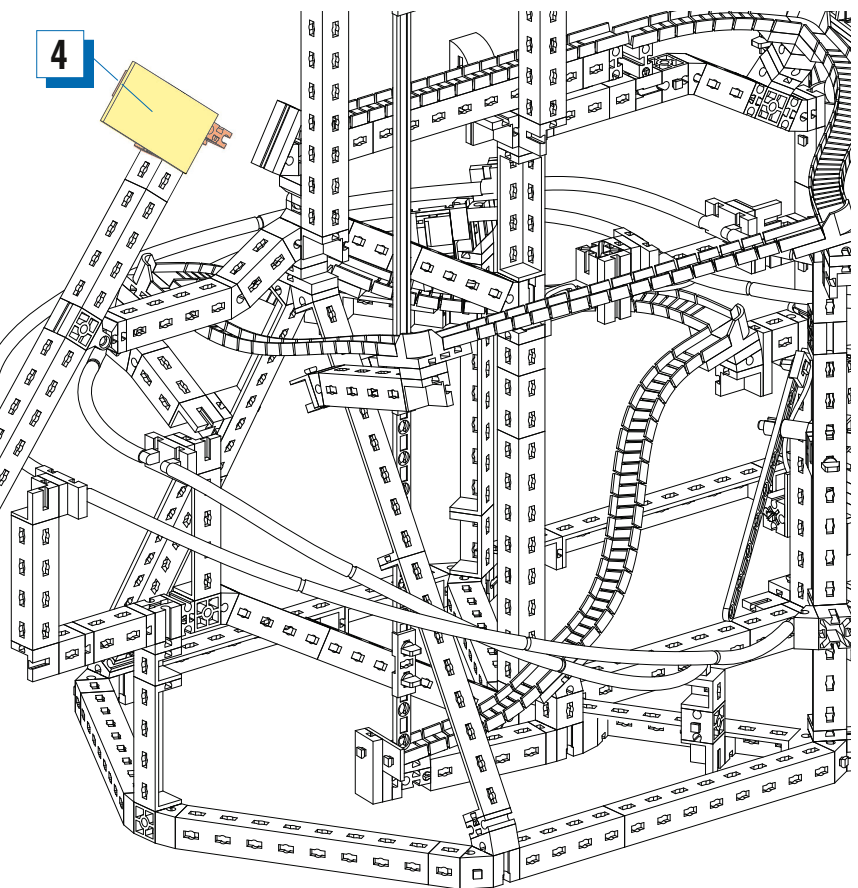
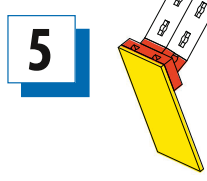
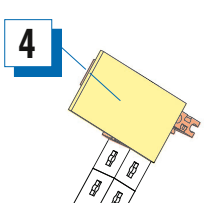
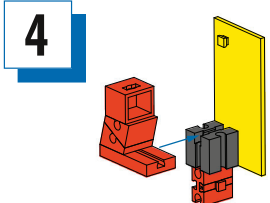
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













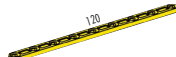










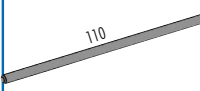












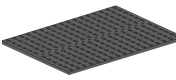






Funny Reactions Parcours 1















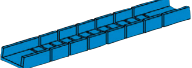

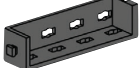













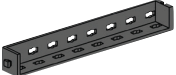


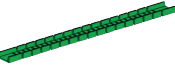

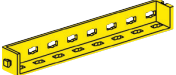




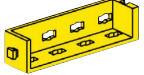

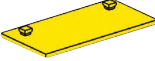

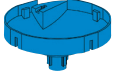


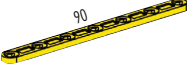










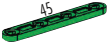




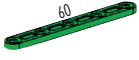

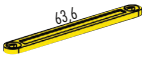

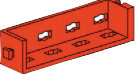
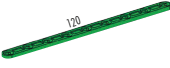
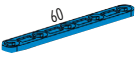
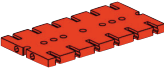



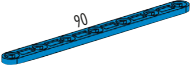


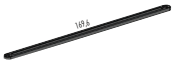


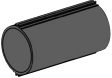

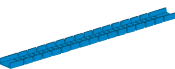
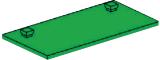




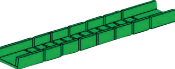
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Einzelteilübersicht

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	31 020 1 x		31 436 7 x		31 981 18 x		32 869 1 x		35 063 1 x
	31 021 2 x		31 597 9 x		31 982 26 x		32 879 11 x		35 064 3 x
	31 031 1 x		31 667 1 x		31 983 4 x		32 881 32 x		35 065 2 x
	31 054 1 x		31 668 7 x		32 064 37 x		32 882 3 x		35 073 6 x
	31 058 6 x		31 670 3 x		32 071 12 x		32 985 3 x		35 087 1 x
	31 060 1 x		31 671 6 x		32 085 4 x		35 031 6 x		35 088 1 x

	35 797 3 x		36 912 1 x		38 253 3 x		127 471 4 x		156 502 2 x
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	36 702 2 x		38 248 1 x		121 641 9 x		152 249 1 x		175 045 1 x
	36 819 1 x		38 249 1 x		122 950 3 x		155 901 2 x		

See you again
in 2022!
Stay healthy!

ISSUE 01/22 WILL BE PUBLISHED
IN MARCH 2022

fischertechnik 