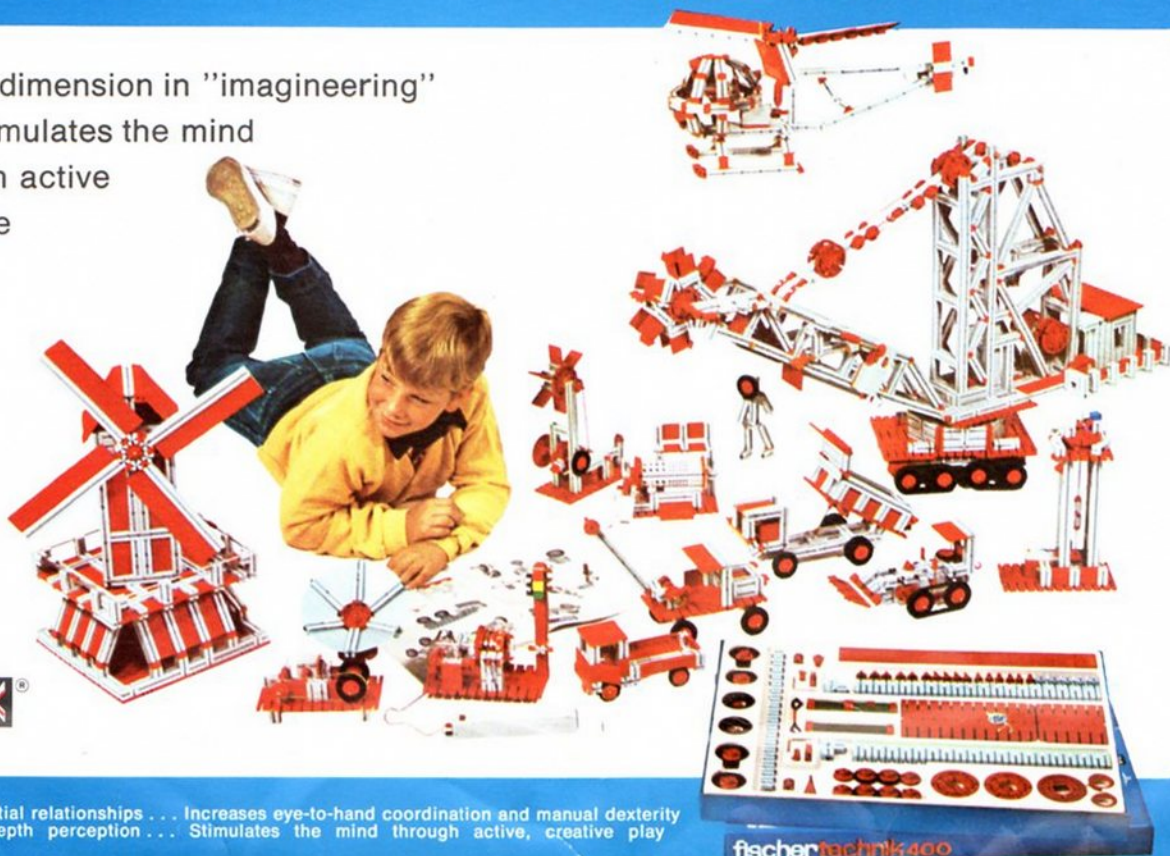


# fischer<sup>®</sup>technik

A new dimension in "imagineering" that stimulates the mind through active creative play.



Teaches spatial relationships . . . Increases eye-to-hand coordination and manual dexterity  
Improves depth perception . . . Stimulates the mind through active, creative play

fischer<sup>®</sup>technik 400

## The Hexide

GREAT FUN FOR  
AGES 5 - 14  
AND OLDER

Scientifically engineered,  
this basic building module  
eliminates the need for nuts,  
bolts or screws.

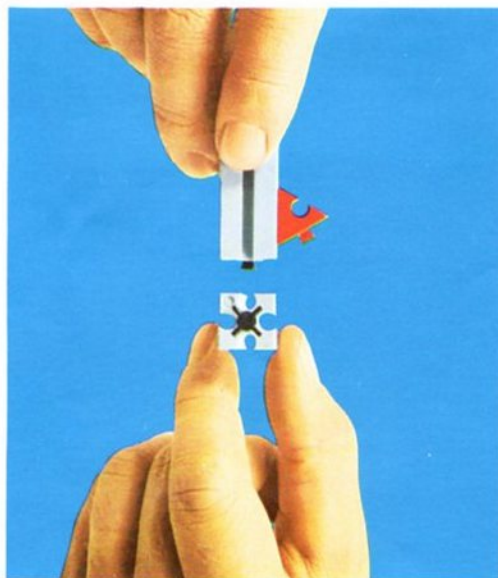
UNLIMITED  
PLAY VALUE

**1** The unique "hexide" performs as the basic construction module in this ingeniously conceived building system that rivals designs applied in industrial technology.

**2** By means of precision "slide-fit" action, components are easily attached to all six sides of the "hexide" at various angles.

This high degree of flexibility, permitting assembly in any direction, is unmatched by any other toy the world over!

**3** Five channels in each "hexide" accept axles of different lengths. Thus, each "hexide" provides 5 axle bearings for attaching moving parts.



**4** The "hexide" is made of durable material that will not warp, rust, or discolor. Like all other precision-engineered fischertechnik parts, the "hexide" is pleasing to the touch, offers no sharp edges and stays clean. Because of its inherent self-lubricating quality, all red parts in fischertechnik are molded of nylon.

Careful examination and thoughtful study of the design concepts behind fischertechnik reveal this system as unrivaled among toys. The recipient of two successive "Toy of the Year" awards, fischertechnik is internationally acclaimed by educators as an aid to stimulating the imagination, sharpening thinking power and honing manual skills.

FUN TO ASSEMBLE . . . EASY TO TAKE APART



# "Imagineering" with

# fischertechnik

## MEANS PLAYING... THINKING... BUILDING... FUN FOR THE

many hours, many years of enjoyment, with this ingeniously conceived modular building system!

### EASY, QUICK ASSEMBLY with basic fischertechnik parts

Precision-molded nylon gears mesh accurately; are self-lubricating, sturdy, long-lasting — typical example of high level workmanship evident in all fischertechnik parts.



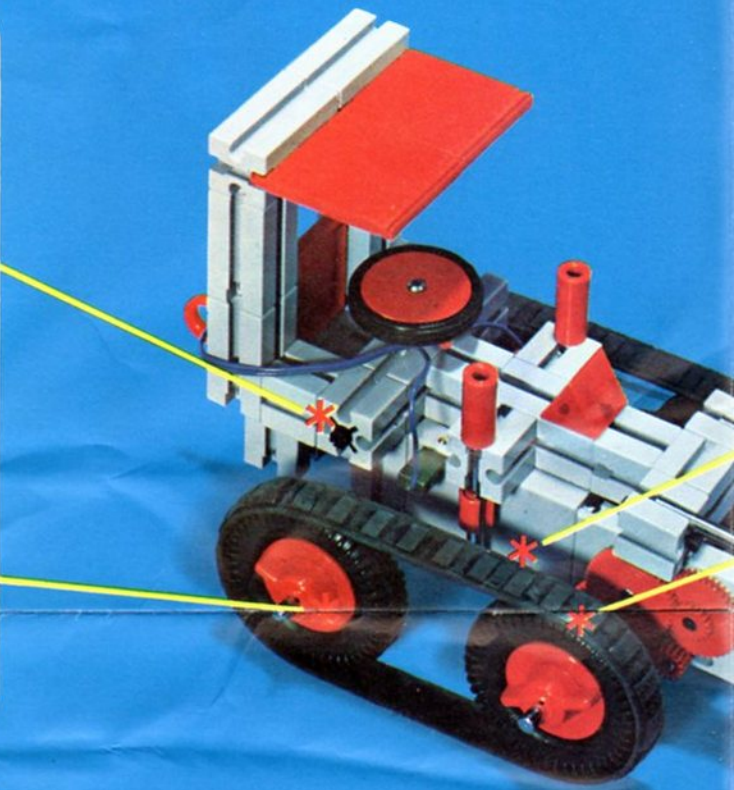
Building in any direction, at various angles, is accomplished with simple "slide-fit" action to connect channeled "hex-ides" and other components.



A series of multi-functional parts form pulleys, gears, wheels, etc. Example: Threaded nylon components lock into tire to form wheel.

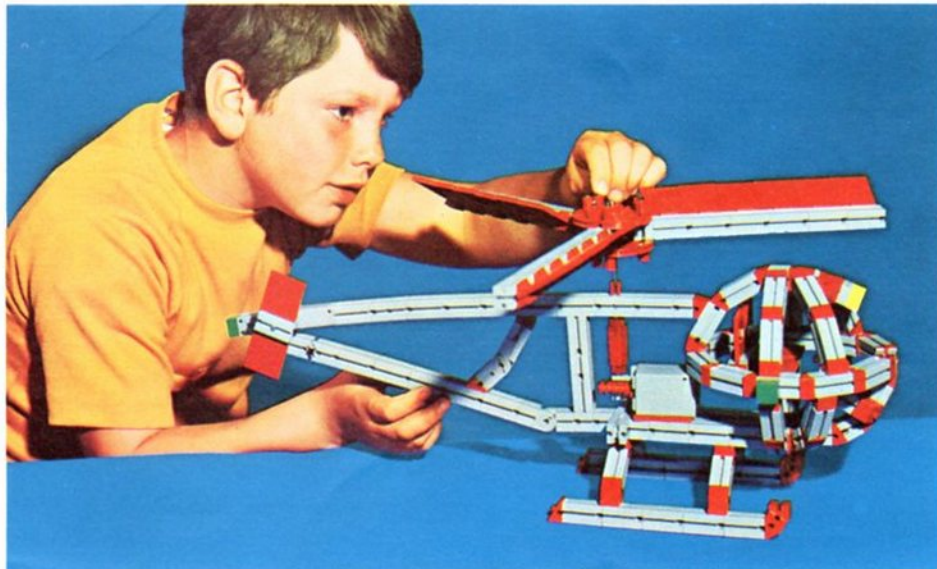


fischertechnik is based upon accurate scientific principles and sound engineering practice. Gearing systems, transmissions and motor kits duplicate power applications employed by industry.



Advanced modular concept permits an amazing flexibility for creation of original designs. Nothing becomes obsolete. A starter set given to a youngster at age 6 remains useful to him at 14. The addition of parts, accessories or larger kits will help to expand his fischertechnik world of "imagineering".

**ABOVE:** Loader-Bulldozer assembled from fischertechnik climbing steep inclines and obstacles. Just one e



### NEW DECORATOR SETS

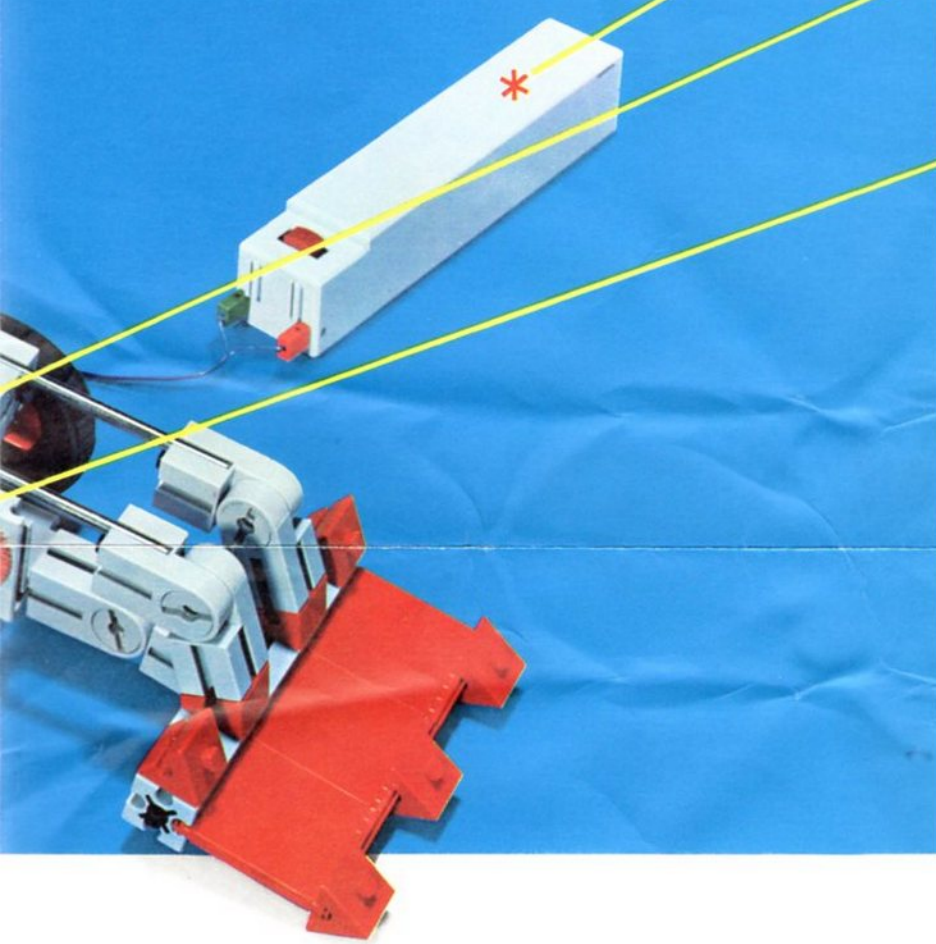


Snap-on architectural forms easily fit "hex-ide" building blocks. Useful for finishing houses, skyscrapers, plant structures or in moving models as truck bodies, cab roofs, dredge housings... no limit to imaginative applications.



# fischertechnik®

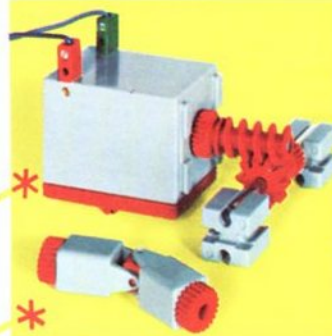
## THE WHOLE FAMILY...



These Popular Accessories Add Power and Excitement to fischertechnik Models

### mot. 1

Fascinating addition to fischertechnik system. This powerful motor operates on direct current, either from transformer or flashlight batteries. "Imagineers" learn principles of power reduction and how to utilize gears, u-joints and elbow joints. Tiny turnable mounting allows 360° rotation of motor for variable applications in moving models.



### mot. 2

With this highly sophisticated gear accessory to mot. 1, "Imagineers" achieve tremendous power for moving heavy equipment. Includes transmission, rack and pinion gears, bevel gears, and tractor treads. Transmission simply "slidefits" to mot. 1 motor. Actual gear ratios obtainable:  
32:1 no. 1 gear only  
77:1 no. 1 & no. 2 gears  
240:1 no. 1, no. 2 & no. 3 gears.



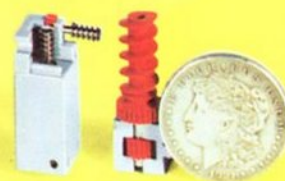
### mot. 6

A real differential having three precision nylon gears (see cut-away). Car and truck models function just as actual road vehicles.



### mini-mot

New sub-miniature motor no bigger than the standard "hexide"! Provides power for small working models, or can be inserted in larger models where multi action is desired. There is nothing quite like mini-mot. 1.



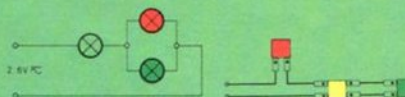
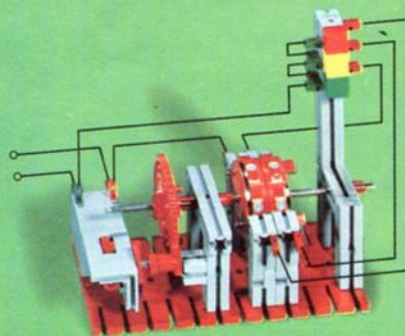
400 set, plus mot. 1 and mot. 2 Forward and reverse movement—superior power and traction for example of an amazing array of intriguing action models that can be built with fischertechnik.

### NEW ELECTROMECHANICAL KITS!

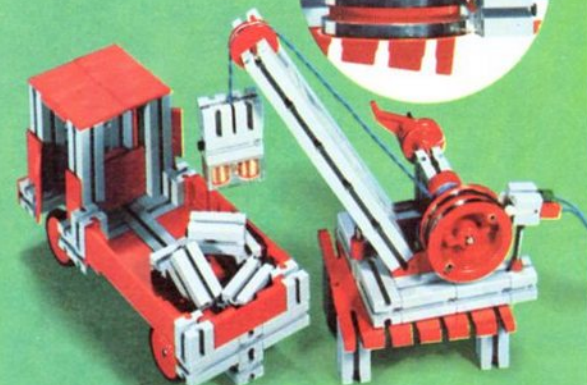
Exciting experiments leading to further knowledge of electrical engineering and electronics. New e-m1 and e-m2 are the only electrical kits which encourage a youngster to think and work in abstract terms, or to design his own circuitry. These new e-m kits are designed to separate the boys from the "Imagineers"!

Program controlled traffic light built with e-m 1, 400 basic building set, mot. 1, mot. 2.

Lamps connected in series and parallel demonstrate combination electrical circuit—just one of many experiments in e-m 2.



Electro magnet picks up metal from carrier. Crane model assembled from e-m 2, 200 basic building set and mot. 1.





# Basic Building Sets

## JUNIOR SET

fischertechnik 50 — \$ 5.95

Contains all the parts. A fine gift basic building for the beginner, equally welcomed by the advanced "imagineer" as extra components.



## STARTER SET

fischertechnik 100 — \$ 8.95

Over 100 exciting models can be built with this set. Illustrated guidebook shows how.



## INTERMEDIATE SET

fischertechnik 200 — \$ 15.95

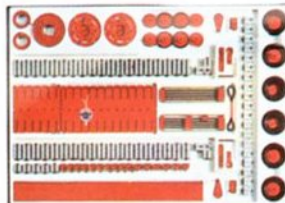
More parts, wider ranging possibilities for the "imagineer" to design his own models, or follow illustrations in the attractive guidebook.



## MASTER SET

fischertechnik 400 — \$ 26.95

Contains more components, especially of the sophisticated and special parts. Places no limits on the imagination — many trucks, cranes and other mechanically advanced examples of modern technology can be duplicated authentically. Illustrated guidebook displays striking array of ideas.

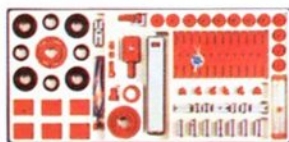


To be introduced in 1970:

- LE-1 Light and electronic kit — including set of lenses, photo-electric cells, electronic control unit, digital counter, and many other unique parts, with two 100 page manuals. Use with 400 set, mot. 1, mot. 2, mot. 4.
- S-1 and Statics kit for structural model designs, such as bridges and cranes. Can be used alone or with basic sets and mot. accessories.

## NEW BASIC SET WITH MOTOR

fischertechnik 300 — \$ 22.95



Only basic building set that includes a motor. Selection of parts similar to fischertechnik 100. Requires 3 "C" type flashlight batteries (not incl.).

## MOTOR KIT

fischertechnik mot. 1 — \$ 14.95



Powerful, durable motor with reduction gear attachments, gears, universal and elbow joints, battery case with reversing switch and wire leads. Operates on 3 standard flashlight "C" batteries (not incl.).

## GEAR KIT

fischertechnik mot. 2 — \$ 8.95



Highly sophisticated accessory to mot. 1, this kit puts the "imagineer" squarely into the world of engineering. 3-speed transmission with interchangeable gears, rack and pinions for large and small pitch gears, bevel gears and tractor treads.

## EXTRA MOTOR

fischertechnik mot. 3 — \$ 8.95



The famous fischertechnik motor in mot. 1, offered separately with two gears, lead wires and hub. Requires either power pack transformer (mot. 4), or battery case (mot. 5).

## POWER PACK

fischertechnik mot. 4 — \$ 14.95



A practical, variable speed transformer with reversing switch. Unit converts 110 volt house current into 2 to 6 volts direct current for powering fischertechnik motor. Also has outlet terminals providing 2 to 6 volt alternating current for lighting toy bulbs.

## BATTERY CASE

fischertechnik mot. 5 — \$ 3.75



Durable plastic case with reversing switch and wire leads. Same case as in mot. 1.

## DIFFERENTIAL

fischertechnik mot. 6 — \$ 1.70



This mot. 1 accessory, a miniature differential, is completely assembled for fitting into car and truck models. 3 precision nylon gears duplicate transfer of power to wheels just as in actual vehicles!

## NEW SUB-MINIATURE MOTOR!

fischertechnik mini-mot. 1 — \$ 12.00



No larger than the "hexide" building block, minimot includes miniature drive, reduction and transmission gears. Tiny in size — big in power, minimot will drive the smallest models and also handle many of the big tasks, such as driving the large pitch gears in the 200 and 400 sets. Requires mot. 5 battery case, unless used as an accessory to mot. 1.

## NEW ELECTROMECHANICAL KITS

fischertechnik e-m 1 — \$ 48.50



Advanced kit with detailed instructions for practical experiments in electrical engineering and electronics. "Imagineers" learn electrical terminology, how to read and plot circuits and schematics. Timing switches, relays, automatic lighting systems, circuit breakers are assembled by the youngster, and can be inserted into his models. e-m 1 is an accessory to the fischertechnik 400 master building set and also requires mot. 1 motor kit, mot. 2 gear kit and "06 cams.

fischertechnik e-m 2 — \$ 14.95



This electromechanical kit offers possibilities for many educational experiments and construction of intriguing models utilizing programmed switches and an electromagnet. Guidebook offers instruction in electrical schematics.

Accessory to the fischertechnik 200 intermediate building set, e-m 2 requires, additionally, mot. 1 motor kit and "06 cams.

## SUPPLEMENTARY KITS

fischertechnik 10, 15, 20, 25, 30 — \$ 3.45 each

Five supplementary kits for enlarging a fischertechnik 100 building set to a 200 set, or a fischertechnik 200 building set to a 400 master set.

200 set = 100+10+15+20

400 set = 200+10+15+25+30



## SPARE PARTS PACKS

fischertechnik 01 thru 021

Spare parts packs provide replacements for lost parts, or additional parts for expanding the system. "Imagineers" can always use extra parts to give them greater flexibility in planning new projects.

Series includes new decorator packs 010-015.

01 \$ 1.70

02 \$ 1.70

03 \$ 1.70

04 \$ 1.70

05 \$ 1.70

06 \$ 1.70

07 \$ 1.70

08 \$ 1.70

09 \$ 1.70

010 \$ 1.70

011 \$ 1.70

012 \$ 1.70

013 \$ 1.70

014 \$ 1.70

015 \$ 1.70

021 \$ 1.70

## STORAGE CASE

fischertechnik 1000 — \$ 10.95



Tough, plastic storage box for all parts. Removable cover doubles as building platform. Channels hold models firmly in place for easy construction and display.

Prices subject to change without notice.

# fischertechnik®



... the Creative Building System that Expands with the Imagination

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