

The challenge for LEGO® experts
of 9 and over

Technical Sets



The exciting world of LEGO® Technical Sets

Here is a new LEGO® range for all of you who are fascinated by detailed working models and want to construct your own.

With the new LEGO Technical Sets you can discover for yourself the engineering principles behind things like car engines, helicopters and fork lift trucks by constructing your own precision working models.

There are many new components developed specially for LEGO Technical Sets so that you can re-create lifelike engineering systems with working pistons, gear wheels, rack and pinion steering, universal joints

etc. Yet they fit together with standard LEGO bricks to give your collection a whole new dimension.

It is fun finding out how things work and the new Technical Sets will provide young engineers aged 9 and over with an exciting challenge to their skills.

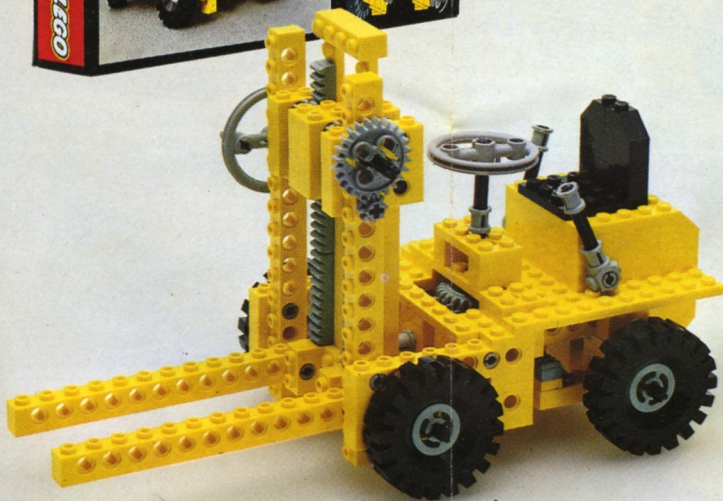




LEGO Fork lift truck 850

With Technical Set 850 you can build from the detailed construction plans this fork lift truck with steering to the rear wheels and a fork lift for raising and stacking heavy loads, just like those in big factories and warehouses.

But the same set can also be used for making other things too – a dumper truck, bulldozer or grader, among other things.





LEGO Tractor 851

Tractors have to do many jobs and this model from Technical Set 851 reflects that. You can build on a variety of farm implements – ploughs, harrows, hay turners and make them rotate by connecting them to the back axle. The tractor has a realistic steering system too.

When you want a combine harvester or even a steam roller instead of a tractor, well that's no problem for an ingenious model builder.



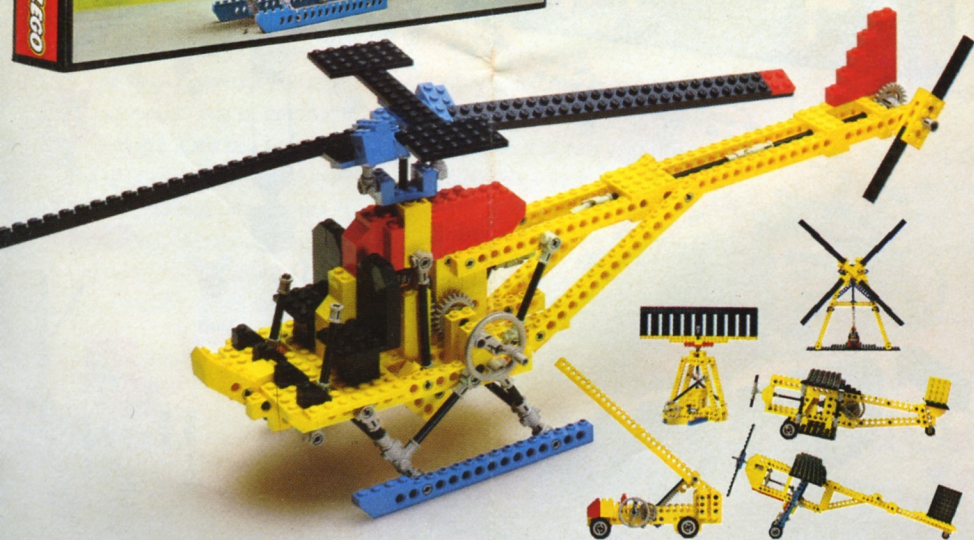
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LEGO Helicopter 852

Build this helicopter from the detailed construction plans provided and you will find that not only do the rotors revolve, but you can even adjust the pitch of the blades by a control lever — just as in real life.

Expert builders will also be able to make such things as a bi-plane, radar screen, windmill or mobile ladder from the same set.



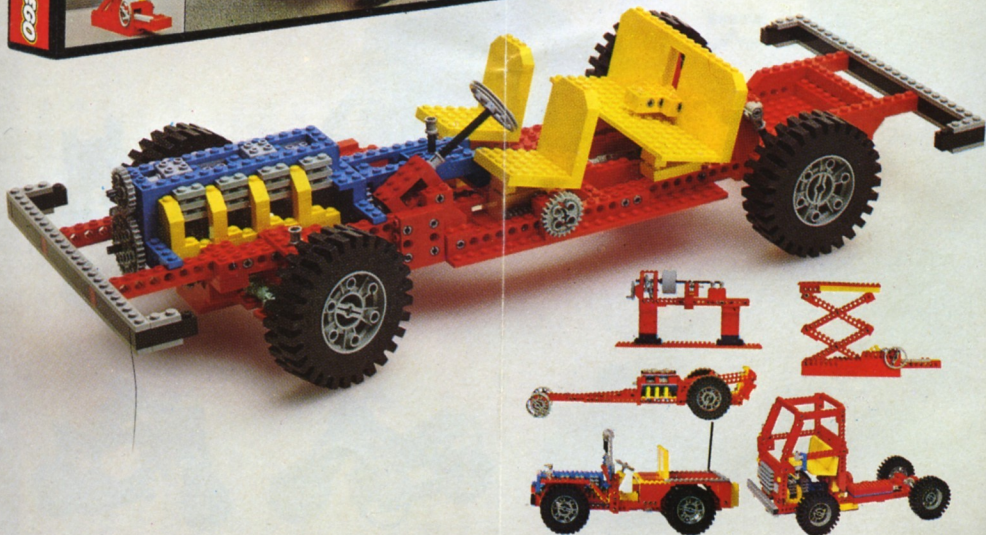
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LEGO Car chassis 853

Imagine building a car chassis over $\frac{1}{2}$ metre long which has working pistons, first and second gear, a complete steering system and even adjustable seats. That is the challenge you can meet with Technical Set 853 if you can work from detailed construction plans.

Or you can design your own working models of a jeep, lathe, dragster and many other things.



854



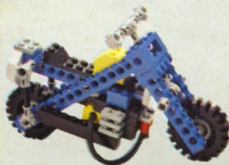
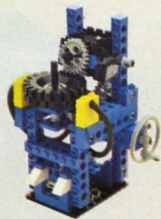
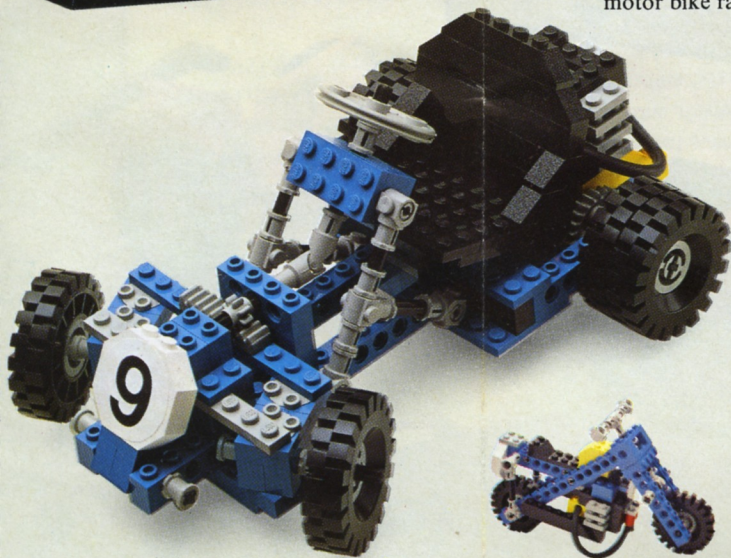
NEW: LEGO Go-Kart 854

The air is full of excitement and noise at a Go-Kart race and this dashing model captures some of that atmosphere.

Like the real thing, it has rack and pinion steering and a single cylinder 2-stroke "engine", and you can actually see the piston moving.

Double rear wheels with chunky tyres give plenty of grip.

Among other models you can build from this set is a motor bike or a bike and side car, which will appeal to motor bike rally fans.





NEW: LEGO Mobile Crane 855

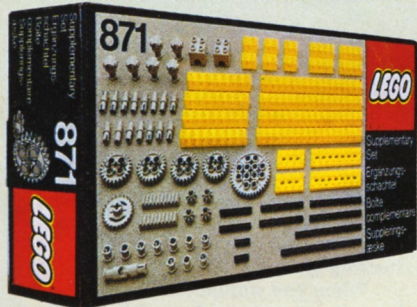
What functions would you expect a model like this to have? An extending jib with adjustable angle? Rotation through 360°? A hook you can raise and lower at the turn of a handle?

The LEGO crane has all of these.

It even has adjustable stabilizers on either side, just like a real one.

As if this wasn't enough, you can also make a tipper lorry, a gantry crane and a container hoist among other things from the same set.





LEGO Supplementary Set 871

When you get to the stage of designing your own Technical models and need a few more gears, pistons, connector pegs etc., then this pack is just the thing.

It has a good selection of all the special components you are most likely to need to add to your existing Technical Set.

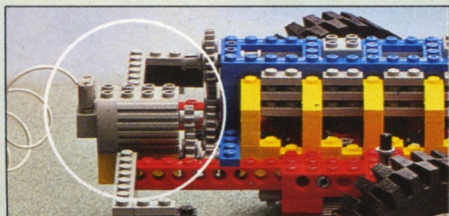


LEGO Technical Motor 870

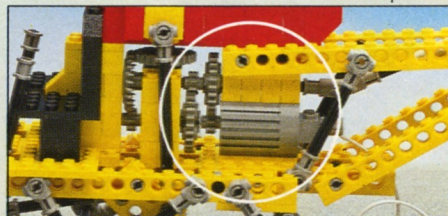
Working models become even more exciting when motorized.

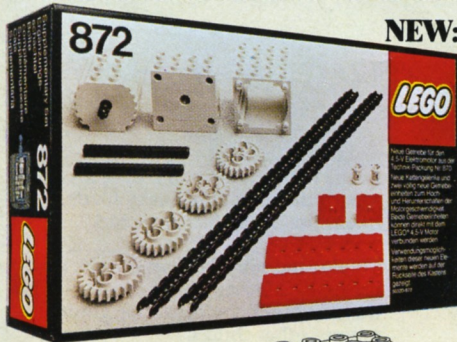
The 870 motor is smaller than the normal LEGO motor and so fits into models more neatly, as shown in the 2 pictures below. It is powered by three HP 11, 1.5 volt batteries, and the set contains a few extra gear wheels and an explanatory leaflet showing you how to gear down to different speeds.

Motor built into LEGO car chassis 853



Motor built into LEGO helicopter 852

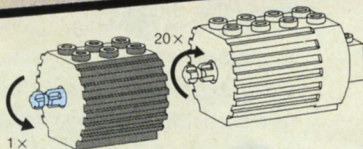




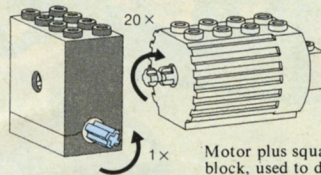
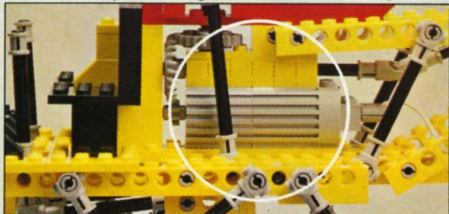
NEW: LEGO Gear Blocks Supplementary 872

Sometimes you want to gear down the speed of the 870 motor in very little space. So, rather than build your own gearing, you can simply clip on one of the 2 gear blocks which gear down the motor in the ratio 20:1. Neat, simple and quick. The round gear block delivers drive in the same plane as the motor, and the square one turns it through 90°. That makes it very useful for delivering power to the wheels of vehicles as shown below.

The set also contains chain links for crawler tracks or belt-drive.



Motor plus round gear block, used in helicopter 852



Motor plus square gear block, used to drive wheels.

