



## Machine Training Sets

# MOTION TRANSMISSION EQUIPMENTS (MECHANISMS) TRAINING SET

### DESCRIPTION

It aims to comprehend the structure of the mechanisms used in motion transmission, the way they work, and their relations with each other. It covers the points to be considered during the selection and use of motion transmission elements.

The training set consists of 16 different standard modules. Optionally;

- Step motor
- Conveyor
- Connecting plate can be chosen.

Each module is designed in a structure that can be easily connected to each other like Lego. All of the modules can be used at the same time, and there is a possibility of use in different numbers.

In order to use the modules in relation to each other, various couplings are used. Thus, the people who use the set will have information about the removal, installation and adjustment of the couplings.

In order to use the training set in automation applications, control elements such as sensors and switches are placed on the modules. In this way, it is ensured that the movements are performed sequentially. If necessary, the whole scenario can be controlled via software with the help of PLC.

The modules can be easily mounted and dismantled on a connection plate made of sigma profile. To ensure this, it allows horizontal or vertical use.

In addition to enabling practicing on shafts with different axes; it allows experience to be gained on issues such as adjustment of belt tensions, chain link replacement, speed change, coupling assembly, coupling adjustment, conveyor adjustment, sensor usage, etc.



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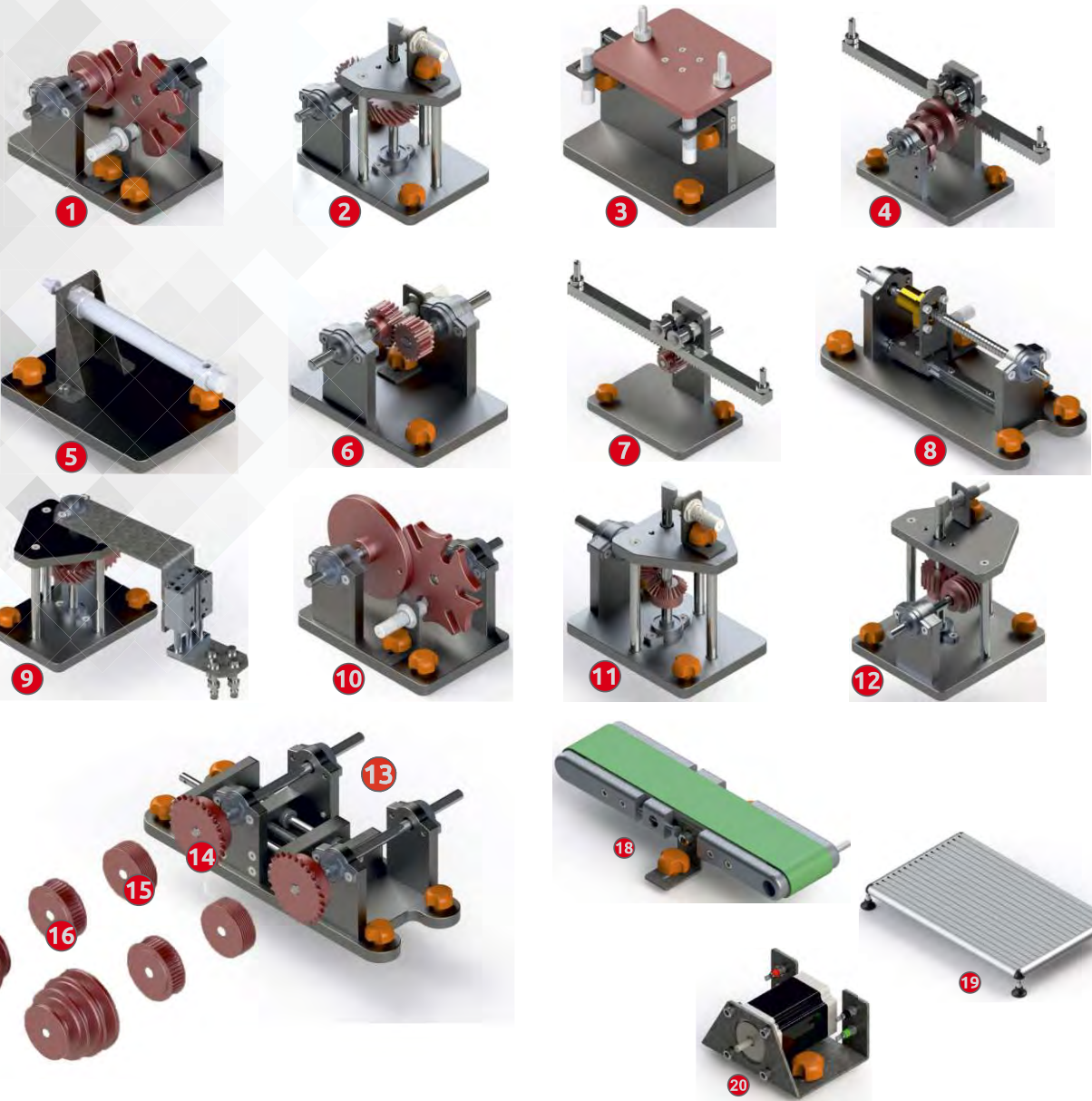
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## SET CONTENT

1. Genova mechanism module (1/4 intermittent motion transmission on shafts with parallel axes)
2. Helical gear module (motion transmission on 90° angled shafts)
3. Linear motion module
4. Spur gear + rack gear module (one-way motion transmission)
5. Double-acting pneumatic cylinder module
6. Spur gear module (motion transmission on shafts with parallel axes)
7. Spur gear + rack gear module (bidirectional motion transmission)
8. Ball screw motion module
9. Robotic lever
10. Genova mechanism (1/6 intermittent motion transmission on shafts with parallel axes)

11. Conical gear motion module (motion transmission on shafts with 90° axes)
12. Worm gear module (1/40 speed reduction and one-way motion transmission module)
13. Chain gear, belt mounting and tension adjustment module
14. Chain gear and chain set
15. Poly pulley and poly belt set
16. Timing gear and timing belt set
17. Speed changing V pulley and V belt set
18. Conveyor module (optional)
19. Sigma profile surface connection module
20. Step motor module (optional)