

# JANTZEN AUDIO

## Custom speaker designs and custom DIY speaker kits

We only offer DIY kits for the tried and tested constructions, designed by Mr. Troels Gravesen.

We **do not** offer to design custom speakers (hereunder a DIY speaker kit) for drivers and/or cabinets that a customer already has and wishes to use for a speaker design made to certain specifications or wishes.

We also **do not** offer to redesign crossovers to work with different drivers than the ones specifically specified for the various DIY kits.

We offer a very wide range of DIY speaker kit models for almost every scenario, but only with the specific driver models that Mr. Gravesen has chosen to work with.

There are multiple phases in designing speakers and using a manufacturer's driver data in a software simulation is only the first of many steps required, to properly design speakers/crossovers.

To properly tweak a speaker/crossover design, you will always need to have the drivers mounted on the actual baffle, make measurements of amplitude, phase, and impedance.

Then the data must import into simulation software to generate the crossover and make test crossovers to measure/hear if things work out correctly.

This means that a speaker design process requires the designer to have drivers, cabinets, and the actual baffle in-hand in the workshop.

As shown above, designing a speaker system requires a lot of time and components, making it a very costly thing and therefore economically unviable for private consumers.

Instead, we invite you to contact us with your overall ideas for the speakers or speaker system that you are looking for and we do our best to point you in the direction of a short-list of options from Mr. Gravesen's portfolio of constructions / DIY speaker kits.