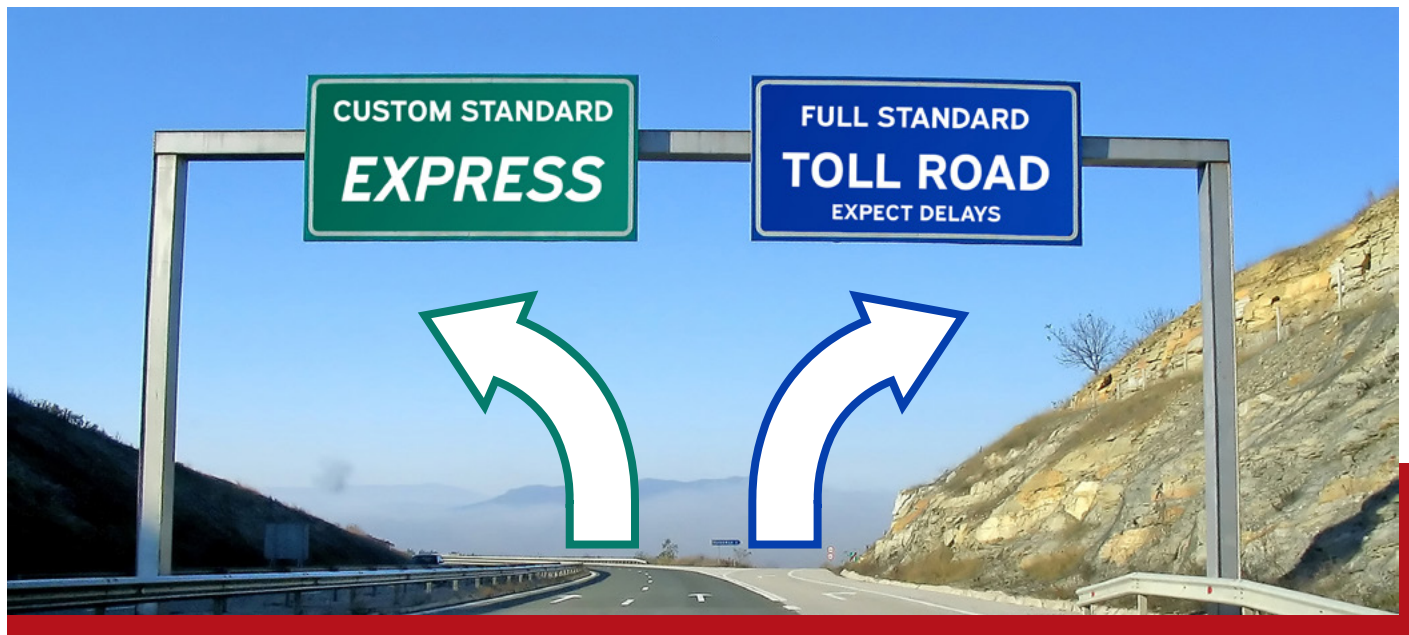


CONFIGURING CUSTOM STANDARD ENCLOSURES QUICKLY AND EFFECTIVELY

Electronics engineers often begin with the design of custom circuit boards and related user-interface components before looking for a full custom enclosure.

If this sounds familiar, avoid making a costly and time-consuming journey down this road. Instead, take the express lane to a custom standard solution.



DESIGN

STATUS	TASK
<input checked="" type="checkbox"/>	1. Create initial product concept, get internal feedback, iterate.
<input checked="" type="checkbox"/>	2. Send design package for quoting.
<input type="checkbox"/>	3. Issue P.O. and arrange downpayment on tooling invoice

TOOLING

STATUS	TASK
<input type="checkbox"/>	1. Finalize and approve design before manufacturing tool
<input type="checkbox"/>	2. Create Tool
<input type="checkbox"/>	3. Product 1st off parts and send for approvals

PRODUCTION

STATUS	TASK
<input type="checkbox"/>	1. Item master product. Create Product Labels
<input type="checkbox"/>	2. Ensure associated gasket and internal panel is in stock.
<input type="checkbox"/>	3. Ensure all other related hardware is in stock.

Considerations for Full Custom Tooling

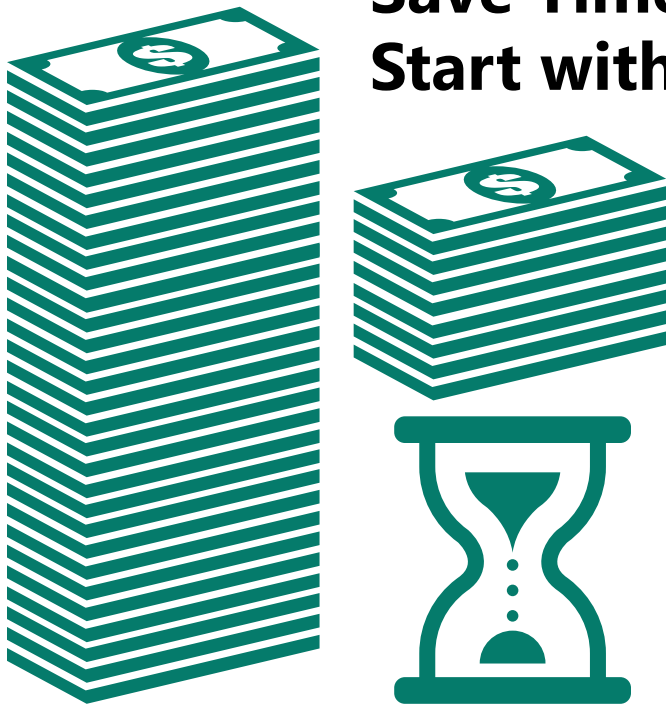
The general project progression for a full-custom design spans design, tooling, and production stages, with each requiring multiple tasks:

- **Design** requires iterating on a product concept based on engineering feedback.
- **Tooling** requires creating the tool and producing sample parts for approval.
- **Production** requires ensuring associated gaskets and internal panels are in stock to create the final product.

Each stage may be complicated by the requirements to issue purchase orders and ensure invoices are paid before proceeding to the next stage.

Customers new to tooling may underestimate the time and effort involved and overlook challenges that can occur, causing delays. Tooling a full custom enclosure design can be costly and require six to eighteen months, delaying production.

Save Time and Money – Start with a Standard Enclosure



Choosing the enclosure first and designing components second is an option often overlooked, but it offers an alternative to full custom tooling.

Using a custom standard approach, tooling costs can be potentially lowered. Hammond Manufacturing can typically turn around a custom standard enclosure in four weeks.

Begin the process by mapping your ideal mechanical design to one of nearly 4,000 Hammond SKUs using the online [Custom Enclosure Configurator](#).

From Small Plastic to Heavy-Duty Diecast

1. Start by selecting the type of enclosure:
 - General-purpose and industrial small plastic enclosures
 - Extruded enclosures with waterproof or EMI shielded gaskets and with or without heat-dissipating fins
 - Aluminum 19-inch rackmount enclosures
 - Heavy-duty diecast industrial enclosures.
2. Using a few mouse clicks, specify thru-holes, cutouts, tapping and threading, counter-sinking, and pressed-in hardware such as studs and standoffs.
3. Select special sizes, special colors, and preinstalled accessories, and then specify printed artwork such as logos and labels for additional customizations.



Leverage Expert Teamwork

As an alternative to the online configurator, contact the enclosure team at DigiKey and provide drawings, design specifications, and shipping quantities related to your project

In either case, request a quote and place an order, after which you will receive mechanical drawings and artwork proofs (if relevant) for approval. A single item for inspection and

testing will be sent before volume shipments are produced.

When it is time to reorder, use the custom part number Hammond created for your project. Use the Custom Enclosure Configurator to design a new custom enclosure at any time. DigiKey and Hammond can provide all the assistance you need on your next project.