Electrical Enclosure Cost

How-to guide: what the workbook does, how to use it and what every number means. mfgcalcs.com

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Compare enclosure quotes on landed cost, not bare price: freight, duty, finishing and tooling for every quote, ranked per enclosure, with what choosing on bare price would add to each order.

For: Panel builders, buyers and estimators pricing electrical enclosures for control panels, switchgear and panelboards.

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Quick start

1. On Setup, type your company and currency, list the enclosures with their order quantity, and each supplier's freight, duty and finishing as a share of the bare price.
2. On Quotes, give each supplier quote a row: enclosure, supplier, bare unit price, tooling and drawing charge and lead time.
3. Fix anything the Check column names.
4. Open the Dashboard: the lowest landed quote for every enclosure and what choosing on bare price would cost.

What is in the workbook

Start Here	Read this first: what the workbook does and how to use it.
Setup	Company and currency, the enclosures with their order quantity, and each supplier's landed cost charges.
Quotes	One row per supplier quote: bare price and tooling in; landed cost, ranks and the cost of choosing on bare price out.
Dashboard	The lowest landed quote for every enclosure, what each quote adds to the bare price, and what choosing on bare price would add.
Method	How every number is calculated, with assumptions, limits and sources.
Verify	Self-check: the workbook's formulas recomputed on fixed inputs against an independent reference.

What each number means

Quantity	How it is calculated	Units
Landed multiplier	100 x (1 + freight + duty + finishing and other), each a share of the bare price.	% of bare
Landed enclosure price	Order quantity x bare unit price x landed multiplier / 100.	currency
Total landed cost	Landed enclosure price + tooling and drawing charge.	currency
Landed per enclosure	Total landed cost / order quantity.	currency

Quantity	How it is calculated	Units
Over bare price	Landed per enclosure / bare unit price - 1.	%
Landed rank and bare rank	1 + the quotes for the same enclosure with a lower landed cost per enclosure (or bare price); a tie goes to the earlier row.	-
Gap to lowest	Landed per enclosure - the lowest landed per enclosure for that enclosure.	currency
Extra for the order	Gap to lowest x order quantity.	currency
Saving from choosing on landed cost	Sum of Extra for the order over the quotes with bare rank 1.	currency

Assumptions, limitations, sources and the self-check (the Verify sheet, which recomputes the workbook's formulas on fixed test inputs) are in the workbook. The last page shows the Dashboard with the example data for Corbel Controls, a fictional business.

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Engineering estimates for planning and improvement work. Verify the results against your own process, data and standards before you rely on them.

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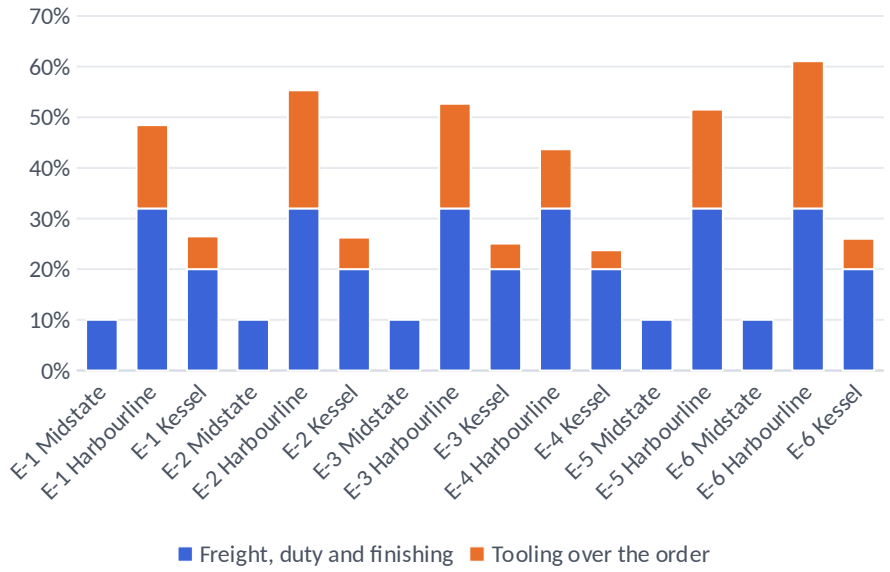
The lowest landed quote for every enclosure, what each quote adds to the bare price, and what choosing on bare price would add.

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Corbel Controls (example): 16 quotes from 3 suppliers for 6 enclosure types. Amounts in USD.

ENCLOSURE TYPES QUOTED	LOWEST BARE NOT LOWEST LANDED	SAVING ON LANDED COST (USD)	ORDER COST, LOWEST LANDED (USD)
6	**4**	**4,305**	**98,695**
With at least one landed quote	Enclosure types	Against choosing on bare price	Landed, with tooling

What each quote adds to the bare price



Order cost: lowest landed against lowest bare price

