

**INTERNATIONAL
FASTENER
EXPO2025**

Bridging the Knowledge Gap- Future of Fasteners Engineering



Speaker Name

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Finding Fasteners Inc.



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- Bridging the Knowledge Gap: The Future of Engineering Support in the Fastener Industry
 - Saving the Knowledge of the Past, Preparing the Engineers of the Future
- Knowledge Gap
 - Real World Impact
- Veteran Knowledge Loss
 - How our Customers adapt
- Solution – Digital Engineers for our BOM, our brand, and our catalogs

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Knowledge Gap

- Engineering Degrees
- Fastener Engineers
- Trusted vendors/Dist.
- Lack of Knowledge leads to \$\$\$ mistakes

HOW A BOLT COSTS MILLIONS

\$2M Recall - Threadlocker Spec Mismatch



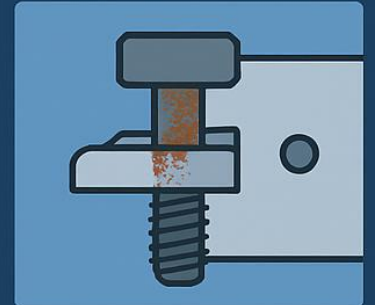
Wrong threadlocker
= \$2M recall

M6 Fastener Chaos



30 M6 variants =
chaos + cost

Corrosion Failure



Mixed metals =
surprise corrosion

Plant Tool Mismatch



Spec mismatch = tool
rework

Assembly Delay



"Looks good in CAD"
≠ fast to install

The EV Startup Spiral

The Scene



A startup gets funded



First sketch gets traction



Designers are hired fast
No DFM yet



Pilot deadline looms

The Problems:

- BIW, Interior, and Exterior teams all choose different fasteners for similar jobs
- Some guess via McMaster. Others call whoever answers
- Plant team hasn't seen the design yet
- Nobody owns standardization
- DFM is treated like a bottleneck, not a requirement

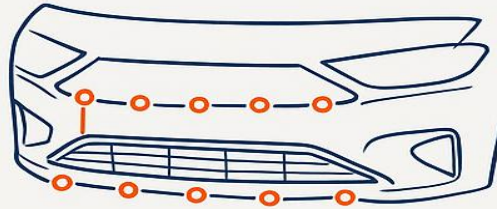


Result: massive part count, poor serviceability, unclear specs, **BOM** bloat

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Real World Ex. *The EV Startup Nightmare*

EXTERIOR



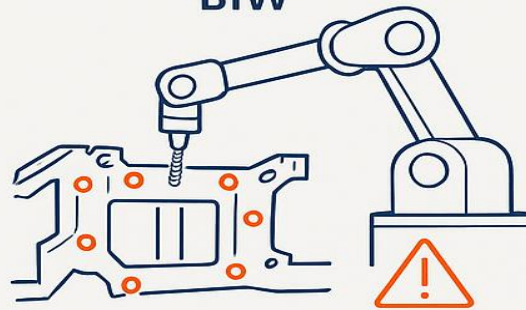
27 clips = 7 years
cleanup

INTERIOR



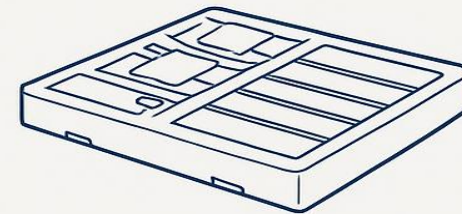
Too many screw specs

BIW



Over-torqued =
launch delays

DRIVE/BATTERY



Coming next episode

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- Where are all the experts?
 - Vendor Expert loss
 - Distributor got too big
- Industry is backwards
 - Stopped chasing prints
 - Started chasing quotes
 - Lost the technical sale and edge to win



Solution

WHAT COULD HAVE SAVED THEM



Give NPI teams a digital FAE/DfM voice early



Design with fastener intelligence before the drawings get frozen



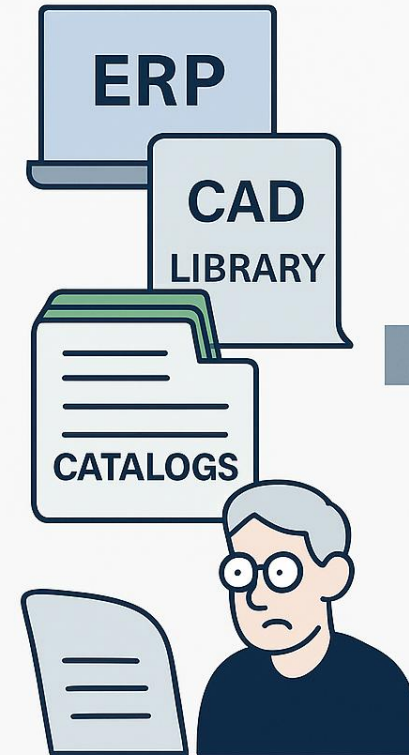
Stop throwing assembly problems over the wall to the plant

- ✓ Fastener part number rationalization from Day 1
- ✓ FAE assistant that lives inside SolidWorks
- ✓ Torque, sealing, and corrosion considerations at concept
- ✓ Shared spec libraries that cross BIW to Interior

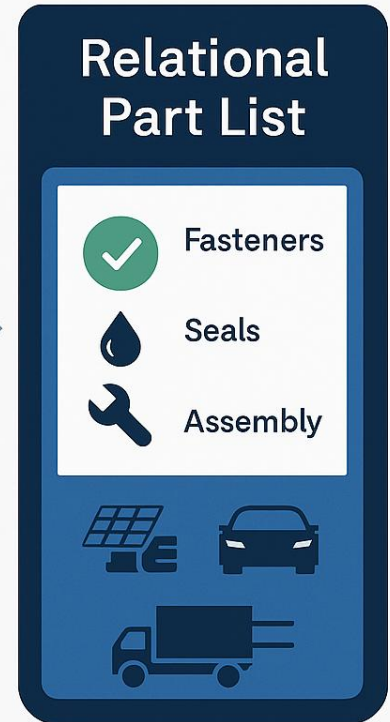
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- **Solution – One Data Set**
- **AI Future?**
- **Loss of Technical knowledge?**
- **Commonization Goals?**
- **Value of the technical assist**

Today



Unified



One relational part list

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Solution – Stop searching for parts and start finding solutions

 Fasteners "R" Us

CalculatorsLearningItResourcesAbout Us

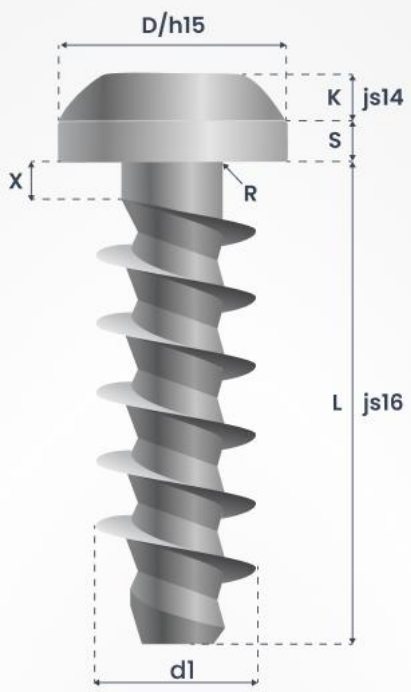
My AccountLog Out

**Fasteners Calculator**
Bolt + 5 more

**Preferred Library**
23 matches

**Alternative Library**
11 matches

**Non-Library**
3 matches

FindingIt™

Upper part

Step 1 of 3

Fastener Category

Bolts

Nuts

Studs

Rivets

Clips

Screws

Step 2 of 3

Fastener Type

☒ Blind

☐ Piercing

☐ Solid

☐ Tubular

Step 3 of 3

Fastener Details

Choose your requirements

Diameter

Grip Range Min

Grip Range Max

JoiningIt is your SAAS-based solutions expert. Answer a few questions about your application, and narrow it down to the joining method that is right for you!



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Questions?

We Value and Request Your Feedback

With your help and input we can continue to deliver educational content that is the best in the industry! Please use your mobile device's camera to scan the QR code below and complete a quick session evaluation.



Your feedback is greatly appreciated and helps provide us with first-hand insight that is carefully reviewed as we plan future IFE educational programs.

Thank you!

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