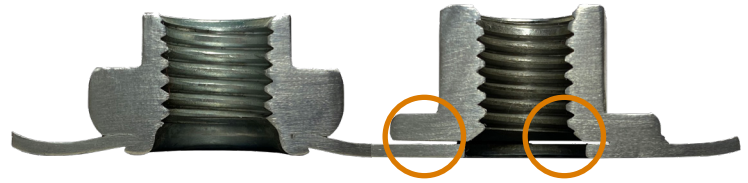


## PROFIL® Mechanically Attached Fasteners vs. Weld Fasteners

Discover the cost-effective and superior performing fastener alternative to welding.

PROFIL® Mechanically Attached Fasteners (MAF) offer many advantages over conventional weld fasteners – from greater design flexibility to the ability to integrate into a customer’s in-die process.



PROFIL® MAF vs Weld Fasteners

### COST-SAVING IN-DIE INSTALLATION

Single-step in-die installation capability eliminates secondary operations, increases throughput, cuts costs

Secondary operations require more manufacturing time and energy consumption

### FASTEN DISSIMILAR MATERIALS

Able to be fastened into several materials like common steel, HSS, sandwich panels, hot forming steel, aluminum, magnesium, die-cast material, carbon fiber

Welding can only be performed on similar materials

### WATER-TIGHT SEALS

Creates a reliable leak-proof seal in aluminum and steel applications, preventing water intrusion

Water-tight seals are difficult to achieve with weld fasteners, leading to water damage and corrosion from elements

### STRONGER JOINTS

The lack of a heat source (required for a weld fastener) produces no weak points due to thermal effect

The welding process increases chance for thermal stress or annealing

### REDUCED WEIGHT

A mechanically attached nut is typically lighter than a weld nut while maintaining similar performance

The welding process adds additional weight to the vehicle

### NO COATING OR KTL EFFECT

Can install a coated fastener into a panel without disturbing the coating or KTL of either part

Welding process burns off existing coatings and creates an opportunity for corrosion

### FULL-SERVICE TECHNICAL SUPPORT

PROFIL® provides comprehensive support – applications engineering, tooling, manufacturing, training, tech support

Weld fastener manufacturers typically do not provide design and technical support

Learn more about the advantages of PROFIL® Mechanically Attached Fasteners. [Click here](#) to watch our product installation animations, installation equipment videos, download fastener data sheets, and more.