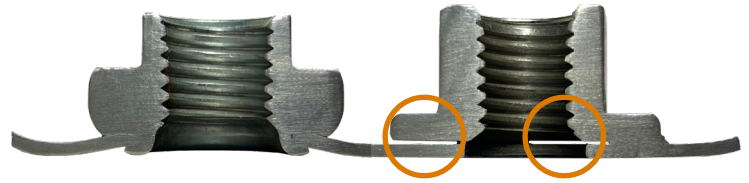


PROFIL® Mechanically Attached Fasteners vs. Weld Fasteners

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.