



PEM® CASTSERT™ Press-in threaded inserts

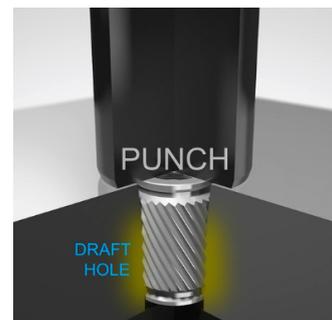
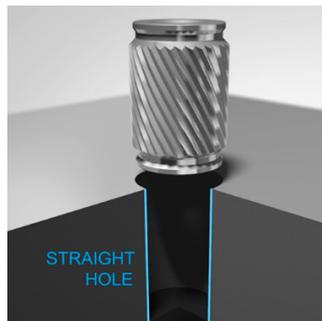
For castings and soft materials HRB 70 / HB 125 or less

PEM® 300 Series Stainless Steel CASTSERT™ inserts provide strong, durable metal threads in soft metals and die-cast alloys. The simple press-in and rapid installation process for these inserts uses a flat punch and anvil to install all sizes and lengths, approximately 80% faster than other methods like helical inserts.



Installation process of PEM® CastSert™

1. Prepare properly sized mounting hole in the sheet or leave as-cast tapered holes with low draft angle.
2. Set the fastener into the mounting hole, seating the fastener using the pilot.
3. With installation punch and anvil surfaces parallel, apply squeezing force until the head of the insert contacts the sheet material.



→ Watch the video

Your benefits at a glance

- Designed for flush installation with flat punch and anvil into blind holes or thru-holes
- Depth of knur allows engagement with as-cast draft angle holes, or drilled holes
- Stainless steel for hardness and corrosion resistance
- Up to 80% process cost savings vs. coil inserts or thread tapping
- No loose chip concerns from tapping a brittle material nor broken tangs to remove
- Installed by simply pressing the inserts into drilled holes or as-cast holes with low draft angle. Installation is accomplished using any standard press at any time during the production process.
- Pilot for rapid seating and self-alignment
- Symmetric for auto-feed capability
- High torque-out strength – a 12.9 bolt breaks before the CastSert™ insert spins

BN 51195 – PEM® CastSert™ Metric press-in threaded inserts for light metal materials

BN 51196 – PEM® CastSert™ Imperial press-in threaded inserts for light metal materials

Please visit our E-Shop to get an overview about the available version.

Typical areas of application

- Automotive: Engine blocks & battery trays
- Automotive Electronics: Radios
- Consumer Electronics: Laptops, PCs
- Datacom/Telecom: Server switches
- White goods: Consumer appliances such as stoves, ovens, dishwashers, countertop appliances, etc
- Can be used in any industry where castings with threads are used

