

## CASE STUDY

**Application:** Large Truck Chassis Bracket

**Industry:** Automotive

**Material:** Aluminum

**Tool:** BSF

**Benefits:** Cycle Time & Cost Savings

**HEULE+**  
PRECISION TOOLS

**Challenge:** An automotive manufacturer in Mexico was utilizing a competitor's tooling for machining a large aluminum chassis bracket used in heavy-duty trucks. However, they encountered significant issues with tool availability—particularly for back counterboring tools capable of cutting more than twice the through-hole diameter. Compounding the issue, the required tool was a custom solution and not readily available from stock, resulting in production delays.

**Outcome:** Following successful implementation of the BSF tool, the customer experienced several additional advantages. These included extended tool life, further cycle time reduction, and overall cost savings—all while benefiting from a stock-standard solution that eliminated the delays and complications of custom tooling.

**Solution:** Heule recommended its standard BSF back counterboring tool, which was available from stock and ready to ship immediately—ensuring production continuity. After delivery, Heule's technical team conducted an on-site visit to support the tool's integration and verify optimal performance. The switch to Heule's solution led to reduced cycle times and improved part quality.

