

Engineered Opportunity: **PASSENGER DOOR STRIKER**



SIMPLIFIED DESIGN HELPS OEMs LOCK UP WEIGHT AND COST SAVINGS

Our experienced engineering and manufacturing experts are constantly searching for opportunities to make existing components better through the use of innovative materials, manufacturing processes and design approaches. The result has been a steady stream of product innovations – like this passenger door striker, which uses a pinned, one-piece design to reduce weight, cost and complexity while increasing function.

REDUCED WEIGHT :: Ultra high-strength, high-carbon steel construction (SAE 1050) and fewer components reduce weight by 53%, while still surpassing all load requirements.

FINISH :: Our customers had experienced a squeaking condition with the existing design. ITW CIP worked to develop a finish combination that resolved this issue resulting in lower warranty costs.

STRENGTH :: Single-piece deep drawn stamping technology and ultra high-strength exceed design expectations.

REDUCED COST :: The reduction in material utilized results in significant savings to our customers. The pinned single-piece design reduces manufacturing costs and simplifies the assembly process, which contributes additional labor cost savings.

HOW CAN WE HELP IMPROVE YOUR PRODUCTS?

Visit us at www.itwcip.com or contact the ITW CIP sales team at tgerlach@itwcip.com

TECHNICAL SPECIFICATIONS

MATERIAL :: SAE 1050 Steel

HEAT TREAT :: Austemper

FINISH :: Per Customer Specifications

CURRENT WEIGHT :: 4.5 ounces

NEW WEIGHT :: 2.3 ounces

CURRENT YIELD :: 65 KSI

NEW YIELD :: 190 KSI

CURRENT TENSILE :: 80 KSI

NEW TENSILE :: 224 KSI



Engineered Possibilities