

Functional Elements – STM/STM+



Clinch Feature – Ribs

Provides resistance to torsional forces – related to torque-out performance

Clinch Feature – Pilot

Provides resistance to axial forces – related to push-out performance



Flat Surface – Post Installation

Mating surface is flat after the clinch stud has been installed

Indentation – Post Installation

Lower tool or 'Staking Die' forces material into clinching features

Serial Production Example

STM M8/13 – BMW



RIFAST Self-Piercing Nut

P.C. 10 (Nut Strength)

Grip Range 0.75mm – 2.5mm – Thin to Medium Sheet Metal (Aluminum or Steel)

Self-Piercing or Pre-Pierced Install

Material Strength Range = Max. 600 MPa Tensile

(4) Different Product Groups – STM/13, STM/17, STM/20, STM+