RIFAST® Functional elements and their installation process at a glance

rifa,t	ЕРВ	SEB	DBB	STM	LBM	DBM
Element	Standard head Clinch ring Thread Rib	Flush head Clinch ring	Standard head Clinch ring	Nut body Self Piercing Pilot Rib Thread Peripheral collar	Nut body Pilot Thread Rib	Nut body Pilot Thread Rib
Description	Bolt installed by clinching	Flush head staking bolt installed by clinching	Bolt installed by clinching	Self-piercing nut installed by clinching	Nut installed by clinching	Nut installed by clinching
Joining process	Component Positioning Installation Final condition with pre-punch percention and Parch P	Punching Positioning Installation Final condition	Punching Positioning Installation Final condition	Positioning Self-piecing Final condition Punch Component Final condition Final condition Final condition Final condition Final condition	Pre-spinch operation Positioning Installation Final condition Punch Composet Functions tool Punching tool Positioning de	Per-punch operation
Component thickness (t)	Component thickness	Component thickness	Component thickness 2.5 mm 9.0 mm	Component thickness 0.6 mm 2.0 mm	Component thickness 1.0 mm 4.0 mm	Component thickness > 2.0 mm
Component strength (R _m)	150 N/mm ² 600 N/mm ²	150 N/mm ² 600 N/mm ²	150 N/mm ² 600 N/mm ²	150 N/mm ² 600 N/mm ²	150 N/mm ² 600 N/mm ²	150 N/mm ² 600 N/mm ²
Accessibility	on both sides	on both sides	on both sides	on both sides	on both sides	on both sides
Installation technology	automated, partially automated and manual	automated, partially automated and manual	automated, partially automated and manual	automated, partially automated and manual	automated, partially automated and manual	automated, partially automated and manual

Different sheet metal thicknesses and component strengths can be checked for feasibility at our application laboratory upon request.

Installation equipment ZEM + ZES VMM + VMS Fixed C-frame Manual workplace Installation equipment Image: Constraint of the state of the sta

RIFAST® Automated installation equipment at a glance