

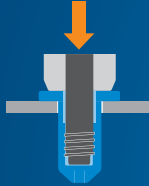
Precision in all process steps – for durable connections!

phase 1



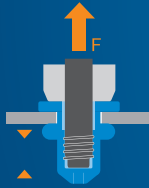
The blind rivet nut is threaded and positioned.

phase 2



Insertion into the component

phase 3



The mandrel is retracted and the blind rivet nut is deformed.

phase 4



The mandrel is then removed, leaving the blind rivet nut permanently connected to the sheet.





SBM25.

BLIND RIVET
NUTS.
EFFICIENT.
INNOVATIVE.

ENSURE PROCESS
RELIABILITY FOR
DETACHABLE
CONNECTIONS IN
ANY POSITION.

NEW!

WEBER

TECHNOLOGY THAT CONNECTS

SBM25 – insertion system for blind rivet nuts and bolts

YOUR BENEFITS:



LEVEL OF AUTOMATION

- + process optimization thanks to precise alignment of the fastener
- + avoiding downtimes due to automatic change of the mandrel



DURABILITY

- + optimized mechanical system for > 7 million cycles, even under maximum strain
- + spring-loaded mandrel protects the thread during insertion and removal



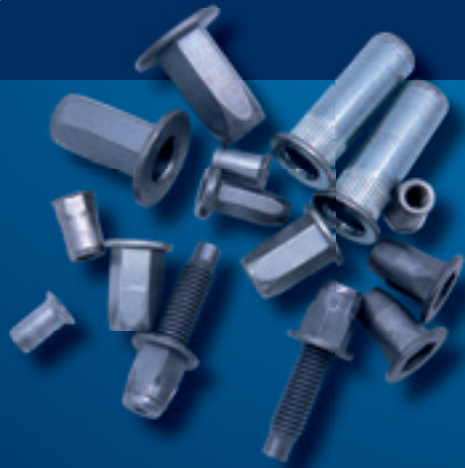
FLEXIBILITY

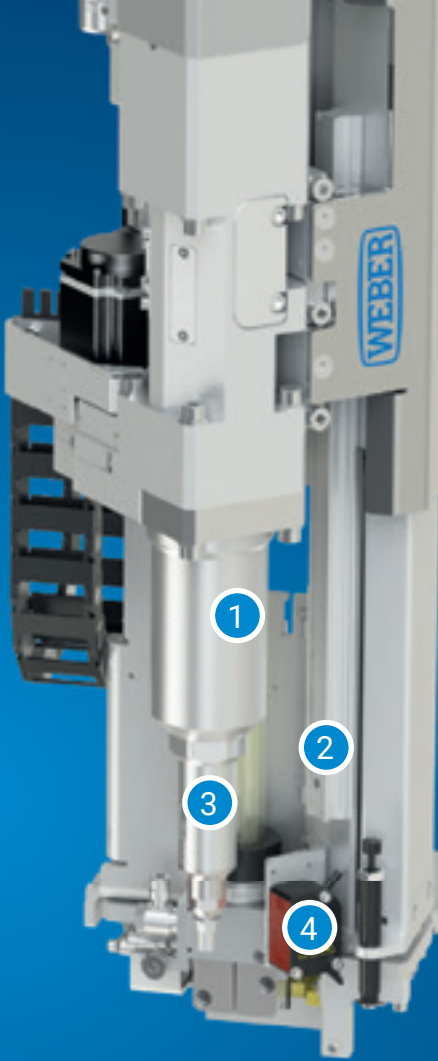
- + stable process, regardless of the position, in any working direction
- + the latest generation of IT security and control systems
- + spindle system with docking capability for alternating use of different sizes or types (nuts, bolts)



SPEED

- + cycle times from 5 s possible for efficient automation
- + feeding of fasteners during the insertion process
- + efficient use of non-productive robot times





CONNECTIONS WITHOUT COMPROMISES: OUR SOLUTION FOR YOU.

- 1** maximum process reliability due to precision path and force monitoring
- 2** precise, laser-based alignment of fastener and workpiece
- 3** automatic change of the mandrel (main wear part)
- 4** automatic ejection of faulty fasteners

Technical data

INSERTION FORCE

up to max. 25 kN (continuous operation)

INSERTION STROKE

approx. 15 mm

HEAD STROKE

approx. 100 mm

POSSIBLE FASTENER SIZES

M4 – M10 (blind rivet nuts)

M5 – M8 (blind rivet bolts)