

BOSSARD SMARTTOOL

Battery-Blind-Riveting & Blind-Rivet-Nut tools

The basis of our Smart Factory Assembly offering is intelligent riveting tools. The battery-driven smart blind-riveting and blind-rivet-nut tools set standards in terms of efficiency, reliability, performance, speed and functional safety. We achieve all this by applying the latest technology, which is used both in the tools and in our rechargeable batteries.

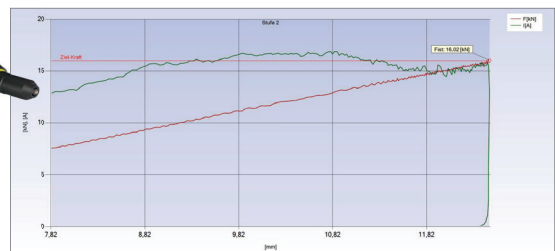
Product features Riveting technology

- Force controlled setting process
- Force sensor, accuracy class $\leq 0.5\%$
- Handle vibration alarm
- Multi color status-LED
- Intelligent battery management
- Brushless high performance motor
- Feedback of riveting results on OLED display
- LED lighting for the riveting environment
- Energy recovery of the braking energy extends the battery life
- Updates can be made via USB
- Process and quality documentation (Force/Stroke)
- Blind rivet / blind rivet nut counter
- Recovery (counter memory-function)
- 100 individual programs
- Min. 150,000 results incl. setting curves (current/stroke) are saved in the tool
- WLAN
- Optional scanner (-S)

Blind-Riveting-Tool RTB-20(-S)

Product features

- 25 mm device stroke
- Nose assembly with quick-change system
- Collection container monitoring
- Contact pressure sensor
- LED to illuminate the application area
- Service counter for preventive maintenance



Accessories

Reducing pipes

Type	Tool guide tube	Reducer	Item number
RTB-20x	6.3 mm	2.4 mm	BST-RTB-RP-24
RTB-20x	6.3 mm	3.4 mm	BST-RTB-RP-34
RTB-20x	6.3 mm	4.2 mm	BST-RTB-RP-42

Nose pieces

Type	Fastener	Compatible traction head
BST-RTB-EX-1*	Expander (040 – 060)	
BST-RTB-EX-2*	Expander (070 – 100)	
BST-RTB-HUCK	Up to 6.3 mm mandrel diameter	Huck / Arconic / Howmet / Gage Bilt**
BST-RTB-Cherry	Up to 6.3 mm mandrel diameter	Cherry Aerospace partially Huck / Arconic /Howmet / Gage Bilt**

* Incl. traction head

** There is no guarantee that all traction heads from the manufacturers named will fit. Contact us for further information..

Battery-Blind-Rivet-Nut-Tool RNB-25(-S)

Product features

- Controlling the setting speed based on the setting stroke
- Machine capability +/- 10 % $C_m \geq 2.00$ / $C_{mk} \geq 1.67$
- Adjustment the stroke using buttons on the display
- Quick-change nose piece from M3 - M12 up to max. 25 kN
- Evaluation of a stroke tolerance of +/- 10% of the nominal value
- Multi-step programming (stroke, current, speed, time, process limits)



Technical data

Description	RTB-20(-S)	RNB-25(-S)
Operating voltage	18 VDC	18 VDC
Device stroke	25 mm	21 mm
Setting force	max. 20 kN	max. 25 kN
Setting speed	max. 37 mm/s	max. 23 mm/s
Noise emissions (LpA)	< 70 dB(A)	71 dB(A)
Measurement uncertainty (K)	3 dB(A)	3 dB(A)
Vibration (ahv)	< 2.5 m/s ²	< 2.5 m/s ²
Measurement uncertainty (K)	1.5 m/s ²	1.5 m/s ²
Operating altitude	< 2000 mNN	< 2000 mNN
Operating temperature	10 – 40 °C	10 – 40 °C
Storage temperature	0 – 50 °C	0 – 50 °C
Dimensions (L x W x H)	ca. 302 x 73 x 270 mm	212 x 73 x 270 mm
Weight without battery & traction head	ca. 1.7 kg	ca. 2.0 kg
Weight with battery 2.5 Ah	ca. 2.0 kg	ca. 2.3 kg
Weight with battery 5.0 Ah	ca. 2.3 kg	ca. 2.6 kg
Durchgang	max. 6.3 mm	
BST-LB-1825 battery	Li-Ion, 18 V, 2.5 Ah	Li-Ion, 18 V, 2.5 Ah
BST-LB-1850 battery	Li-Ion, 18 V, 5.0 Ah	Li-Ion, 18 V, 5.0 Ah
BST-BC-2830 charger	220 - 240 VAC, 50 - 60 Hz, 65 W	220 - 240 VAC, 50 - 60 Hz, 65 W
Suitable for blind rivets	2.4 - 6.4 mm (depending on material)	
Blind rivet nuts		M3 – M12 (depending on material)
Blind rivet screws		M3 – M8 (depending on material)

Scope of delivery

- Battery-Blind-Rivet-(Nut-)Tool
- USB Cable (Type A on Mini B)
- Operating instructions
- Machine capability test (MCT)

Bossard SmartTools are an integral part of Smart Factory Assembly.
For more information, please contact your Bossard representative and visit our website:
www.bossard.com/smart-factory-assembly/

