STANLEY
Engineered Fastening

PB2500 Smart

Battery Powered Process Monitoring Blind Rivet Tool

Significantly improve productivity on your critical Infrastructure and Transportation assembly applications.

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CZECH REPUBLIC s.r.o.

Hrabinská 498/19, 737 01 Český Těšín, Česka republika
Mobil: +420 731 018 782

PB2500 Smart

Battery Powered Process Monitoring Blind Rivet Tool

PB2500 Smart builds on the well proven capabilities, quality, and robustness of the original PB2500 tool, to deliver a class leading cordless blind rivet installation and process monitoring system.

Maximises productivity: Installs 1,100 Steel 4.8mm (3/16") blind rivets with a single charge, using a 2.0Ah battery. On-board process monitoring ensures that incorrectly fastened joints are detected immediately, preventing entire batches being affected.

Easy to use: Quick release nose housing and jaw guide, quick slide battery installation, LED light to ensure clear line of sight to the application, ergonomic soft grip handle for operator comfort. The built in touch screen allows the process monitoring system to be easily set up and used.

Warranty: 2 years in total (1 year & 1 year extension if the tool is registered online via our Warranty Registration Form).

Benefits of using the PB2500 Smart tool with Stanley Engineered Fastening breakstem rivets:

- Enhances operator mobility, enabling them to move easily around applications without the constraints and hazards of a compressed air line. Maximizes output and reduces operator fatigue thanks to it's balanced, ergonomic design.

- On-board process monitoring system includes OK / Not OK notification for each rivet installation, together with review of the related placing curves. 500,000 setting results storage capacity.

- The tool is Wi-Fi & Bluetooth enabled, in readiness for the mobile app being launched in 2021.

- Prevents unscheduled downtime, combining the benefits of long-lasting DₑWALT lithium ion battery with industry leading charging time. Tool-less, quick change, nose housing and jaw guide systems further enhances productivity.

Package Contents

Part numbers: • PB2500S-GB1832 (UK) • PB2500S-QW1832 (Rest of Europe)	
1 x PB2500 Smart tool, with nosepiece size 4.8mm	
2 x DₑWALT 18V Lithium-Ion 2.0Ah batteries	
1 x DₑWALT DCB115 Charger	
1 x Bag with nosepiece and jaw pusher 3.2mm	
1 x Bag with nosepiece and jaw pusher 4.0mm	
1 x Instruction manual	

Specifications

WiFi CERTIFIED ❘ **Bluetooth**

Pull force (kN [lb]):	8.5 [1911.0]	
Placing stroke - (mm [in]):	25.0 [0.984]	
Battery type:	Li-Ion (Removable and Rechargeable).	
Available battery capacities (Ah):	2.0 (supplied with tool)	4.0 (Option)
Tool weight (kg [lb]) :	1.8 [4.0]	2.1 [4.6]
Tool dimensions L x H - (mm [in]):	341 (13.4) x 241 (9.5)	341 (13.4) x 261 (10.3)
Battery charge time (mins):	30	60
Sound Pressure:	76 dB(A)	
Sound Power:	87 dB(A)	
Vibration level:	< 2.5 m/s² [8 ft/s²]	
Rivet placings, 2.0 Ah Battery:	1,100 (4.8mm steel rivet, SD62BS, Smart function off).	
Compliance standards met:	CE, CSA, UL(CSAus) (MIC, FCC, IC, RCM, RED, NBTC)	
User interface	Touch screen on tool.	
Interface to other devices	2.4 GHz Wi-Fi and Bluetooth. USB (to PC / laptop).	
Process monitoring strategy	Single box.	
Data analysis methods	CSV file download. Screen on tool (results & placing curve).	

Placing Capacity

Fastener Type	Minimum size	Maximum size
Open End	2.4mm (3/32")	4.8mm (3/16")
Closed End	3.2mm (1/8")	4.8mm (3/16")
Avex®/ Stavex®	3.0mm	4.8mm (3/16")
Avinox®/ Avibulb®	3.2mm (1/8")	4.8mm (3/16")
HR/HT	3.2mm (1/8")	4.8mm (3/16")
Interlock®	4.8mm (3/16")	4.8mm (3/16")
Klamp-Tite®/ KTR	4.8mm (3/16")	4.8mm (3/16")
LSR / Bulbex®	3.2mm (1/8")	4.8mm (3/16")
Monobolt®	4.8mm (3/16")	4.8mm (3/16")
V-Grip	4.0mm	4.8mm (3/16")
Pull-Thru (PT)	3.0mm	3.0mm
Q Rivet	3.2mm (1/8")	4.8mm (3/16")
T-Lok®	4.3mm	4.8mm
T Rivet	4.8mm (3/16")	4.8mm (3/16")
AVSEAL®	4.0mm	7.0mm

Typical Infrastructure applications:

- Elevator applications
- Electrical switchgear applications

Typical Transportation applications:

- Seating and passenger safety applications
- Trailer, Bus, and Coach ancillaries applications