

STANLEY
Engineered Fastening



BR12PP-8
*Battery Powered Process
Monitoring Blind Rivet Tool*

Significantly improve productivity on your critical infrastructure and transportation assembly applications.

STANLEY
Assembly Technologies

BR12PP-8

Battery Powered Process Monitoring Blind Rivet Tool

Features of the BR12PP-8 Smart Rivet Tool

- Extremely accurate process monitoring capability, due to:
 - Precision force and stroke measurements made by the tool ensure the correct rivet is being used in the correct application.
 - Available “two window” advanced process monitoring strategy.
- Invaluable error proofing capabilities:
 - A selectable pressure switch ensures that the rivet is located correctly in the application before the installation cycle can start.
 - 16 jobs can be pre-programmed into the tool. This mitigates the risk of operator error, by reducing the need to set up the tool manually on the production line. The jobs are selectable via controller with most industry norm protocols.
 - A mandrel counting feature ensures that rivets are not missed.
- Can be used in two operating modes:
 - As a standalone process monitoring tool. In this mode, programming of the tool is achieved using a PC or laptop connected to the tool via the micro-USB port. This mode supports 2 of the 16 jobs.
 - As a connected process monitoring tool. When connected wirelessly to a QBE controller, the tool can be fully integrated into customers IT networks and connected to other Smart devices to create intelligent work cells.
- Warranty: Limited lifetime warranty on mechanical components with 18-month electrical component warranty as described in the [Limited Warranty Statement](#) available on the STANLEY Engineered Fastening website

Benefits of the BR12PP-8 Smart Rivet Tool

- Provides significant productivity & quality cost improvements, by:
 - Reducing the risk of expensive re-work of entire batches.
 - Reducing the risk of defective products being released to customers (potentially leading to customer quality claims, litigation, product recalls etc.).
- Enhances operator mobility:
 - Long-lasting DEWALT® lithium-ion battery power enables them to move easily around applications without the constraints and hazards of a compressed air line.
 - The tool maximizes output and reduces operator fatigue, thanks to it's balanced, ergonomic design.
- Industry leading connectivity options, once connected to a QBE controller.
- Optional barcode reader functionality

Package Contents

| |
|---|
| Part numbers: <ul style="list-style-type: none"> BR12PP-8-GB1832 (UK) BR12PP-8-QW1832EU1 (Other Europe) |
| 1 x BR12PP-8 Smart tool, with 4mm [3/16"] nosepiece size] |
| 2 x DEWALT® 18V Lithium-Ion 2.0Ah batteries |
| 1 x DEWALT® DCB115 Charger |
| 1 x Document Packet including a Quick Start Guide and Test / Calibration Certificate |



Specifications

| | | |
|-----------------------------------|---|-------------------------|
| Pull force (kN [lb]) | 8.0 [1798.5] | |
| Placing stroke - (mm [in]) | 24.5 [0.965] | |
| Battery type | DEWALT® Li-Ion (readily available, removable, and rechargeable) | |
| Available battery capacities (Ah) | 2.0 (supplied with tool) | 4.0 (optional) |
| Tool weight (kg [lb]) | 2.2 [4.9] | 2.4 [5.4] |
| Tool dimensions L x H - (mm [in]) | 304 (12.0) x 289 (11.4) | 304 (12.0) x 308 (12.1) |
| Battery charge time (mins) | 30 | 60 |
| Noise level | < 70 dB(A) | |
| Vibration level | < 2.5 m/s ² [8 ft/s ²] | |
| Rivet placings, 2.0 Ah battery | 950 (4.8mm steel rivet, SD62BS, Smart function off) | |
| Compliance standards met | CE, UKCA, IC (FCC), Machinery directive 2006/42/EC | |
| User interface | Notification lamps on tool, trigger and multifunction button, Controller Interface, Alpha Tool Box (Web Browser) | |
| Interface to other devices | Wireless to Controller: Secure 802.11 (2.4 & 5.0 GHz) OR 802.15.4 (optional) USB (laptop or controller thumb drive), 24V I/O, Field Bus, RS232 | |
| Process monitoring strategy | Selectable single or two window | |
| Data analysis methods | CSV file download. Controller (results and placing curve). Alpha Toolbox (results & placing curve) | |

Placing Capability

| 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") |
| HR (Except SSHR) | 3.2mm (1/8") | 4.8mm (3/16") |
| SSD SSHR | 3.2mm (1/8") | 4.0mm (5/32") |
| TL | 4.0mm (5/32") | 4.8mm (3/16") |
| Pull-Thru | 3.0mm | 3.0mm |
| T-Rivet (Emhart) | 4.8mm (3/16") | 4.8mm (3/16") |
| Avex® | 3.0mm | 4.8mm (3/16") |
| Stavex® | 3.2mm (1/8") | 4.8mm (3/16") |
| Avinox® / Avibulb® | 3.2mm (1/8") | 4.8mm (3/16") |
| LSR / Bulbex® | 3.2mm (1/8") | 4.8mm (3/16") |
| T-Lok® | 4.3mm | 4.8mm (3/16") |
| Avdel® SR | 3.2mm (1/8") | 4.8mm (3/16") |
| Monobolt® / Interlock® | 4.8mm (3/16") | 4.8mm (3/16") |
| Monobolt® | 4.8mm (3/16") | 4.8mm (3/16") |
| Avseal® (Standard) | 4.0mm | 7.0mm |
| Q Rivet | 3.2mm (1/8") | 4.0mm (5/32") |
| Klamp-Tite BAPK® / BAPKTR® | 4.8mm (3/16") | 4.8mm (3/16") |
| V-Grip | 4.8mm (3/16") | 4.8mm (3/16") |

Typical Infrastructure Applications

- Elevator applications
- Electrical switchgear applications

Typical Transportation Applications

- Seating and passenger safety
- Soft top and truck bed installation
- Trailer, bus, and coach ancillaries