# CORDLESS TOOL SYSTEMS for PRECISION FASTENING

**STANLEY**®
Engineered Fastening

Assembly
Technologies

# Cordless Pistol Grip Tools

**B12PB** ▶
Pistol Style

**B12PP** ▶
Push-to-Start Style

## Benefits:

- » **Ergonomic and durable design**
- » **Compact and lightweight**
- » **Low spare part costs with common gearing and outputs to STANLEY Corded Tools**
- » **Ideal for a wide range of handheld, low-torque screw driving applications**

### TECHNICAL FEATURES

- Cordless Communication (IEEE 802.11 a/b/g/n 2.4 and 5 GHz WiFi) to QBE Expert (QB4101), QBE Specialist (QB5001) or Network Node (QB0201)
- IEEE 802.15.4, 2.4 GHz wireless option communication to Network Node (QB0301)
- Accurate transducer control
- Precise, high efficiency, brushless DC motor
- Operator aided visual and audible feedback
- Controller INSIDE the tool
  - » Data storage of 500 fastening cycles and two traces
  - » 16 Jobs / 16 Tasks / 4 Steps
- Barcode Scanner option
- DEWALT 20V (18V outside North America) Platform

*Page 13: Battery Packs & Chargers*

| | Model | Rated Speed | Torque | | "R" Side to Center | | "L" Length w/ 5Ah Battery | | Weight w/ 5Ah Battery | | Weight w/o Battery | | Output | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RPM | Nm | lb ft | mm | in | mm | in | kg | lb | kg | lb | Standard | Options |
| **Pistol** | B12PB-5 | 1257 | 5 | 3.7 | 20 | 0.8 | 265 | 10.43 | 1.55 | 3.4 | 0.96 | 2.1 | 1/4" QC | 1/4" or 3/8" SD |
| | B12PB-8 | 873 | 8 | 5.9 | 20 | 0.8 | 265 | 10.43 | 1.55 | 3.4 | 0.96 | 2.1 | 1/4" QC | 1/4" or 3/8" SD |
| | B12PB-11 | 602 | 11 | 8.1 | 20 | 0.8 | 265 | 10.43 | 1.55 | 3.4 | 0.96 | 2.1 | 1/4" QC | 1/4" or 3/8" SD |
| | B12PB-15 | 375 | 15 | 11.1 | 20 | 0.8 | 252 | 9.92 | 1.55 | 3.4 | 0.96 | 2.1 | 1/4" QC | 1/4" or 3/8" SD |
| **Push-to-Start** | B12PP-5 | 1257 | 6 | 3.7 | 20 | 0.8 | 265 | 10.43 | 1.55 | 3.4 | 0.96 | 2.1 | 1/4" QC | 1/4" or 3/8" SD |
| | B12PP-8 | 873 | 9 | 5.9 | 20 | 0.8 | 265 | 10.43 | 1.55 | 3.4 | 0.96 | 2.1 | 1/4" QC | 1/4" or 3/8" SD |
| | B12PP-11 | 602 | 14 | 8.1 | 20 | 0.8 | 265 | 10.43 | 1.55 | 3.4 | 0.96 | 2.1 | 1/4" QC | 1/4" or 3/8" SD |

**Push-to-Start Work lights**

**Operator Feedback Display**

**1/4" Hex Quick Change Chuck**
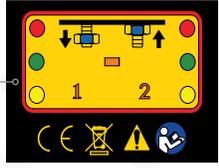
**Multifunction Button (MFB)**

**Work lights**

**THE STANLEY ADVANTAGE:**

*One of the Lightest Weight Cordless Tools in this Product Class*

**Comfort Grip Handle**

**Same Gearing / Output as STANLEY Corded Tools**

**Integrated Digital Control Circuit**

*(Inside Handle)*

**High Efficiency Brushless Motor**

**Micro-USB Port**

*(Back of Handle)*

**Battery Pack Release Button**

STANLEY

XR 5 AH DeWALT 20v MAX / LITHIUM ION

**Battery Pack**

+

*Page 13: Battery Packs & Chargers*

# Cordless Lever Style Tools



**B12LA** Right Angle Lever Style

**B12LB** Inline Lever Style

## Benefits:

» **Ergonomic and durable design**
» **Compact and lightweight**
» **Low spare part costs with common gearing and outputs to STANLEY Corded Tools**
» **Ideal for hard-to-reach, enclosed, overhead applications; interior assembly and installations; electronic assembly benches; and repair and rework stations.**

## TECHNICAL FEATURES

- Cordless Communication (IEEE 802.11 a/b/g/n 2.4 and 5 GHz WiFi) to QBE Expert (QB4101), QBE Specialist (QB5001) or Network Node (QB0201)
- IEEE 802.15.4, 2.4 GHz wireless option communication to Network Node (QB0301)
- Accurate transducer control
- Precise, high efficiency, brushless DC motor
- Operator aided visual and audible feedback
- Controller INSIDE the tool
  » Data storage of 500 fastening cycles and two traces
  » 16 Jobs / 16 Tasks / 4 Steps
- Barcode Scanner option
- DEWALT 20V (18V outside North America) Platform

| | Model | Rated Speed | Torque | | "R" Side to Center | | "H" Head Height | | "L" Length w/ 4Ah Battery | | Weight w/ 4Ah Battery | | Weight w/o Battery | | Output | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | RPM | Nm | lb ft | mm | in | mm | in | mm | in | kg | lb | kg | lb | Standard | Options |
| **Lever Angle** | B12LA13-8 | 838 | 8 | 5.9 | 13 | 0.5 | 33.2 | 1.3 | 386.1 | 15.2 | 1.65 | 3.65 | 1.04 | 2.3 | 3/8" SD | ¼" SD, ¼" QC or Flush |
| | B12LA13-11 | 582 | 11 | 8.1 | 13 | 0.5 | 33.2 | 1.3 | 386.1 | 15.2 | 1.65 | 3.65 | 1.04 | 2.3 | 3/8" SD | ¼" SD, ¼" QC or Flush |
| | B12LA13-16 | 401 | 16 | 11.8 | 13 | 0.5 | 33.2 | 1.3 | 386.1 | 15.2 | 1.65 | 3.65 | 1.04 | 2.3 | 3/8" SD | Flush |
| **Inline** | B12LB-5 | 1257 | 5 | 3.7 | 17.8 | 0.7 | N/A | | 423.5 | 16.7 | 1.61 | 3.55 | 0.98 | 2.15 | 1/4" QC | 1/4" or 3/8" SD |
| | B12LB-8 | 873 | 8 | 5.9 | 17.8 | 0.7 | | | 423.5 | 16.7 | 1.61 | 3.55 | 0.98 | 2.15 | 1/4" QC | 1/4" or 3/8" SD |
| | B12LB-11 | 602 | 11 | 8.1 | 17.8 | 0.7 | | | 423.5 | 16.7 | 1.61 | 3.55 | 0.98 | 2.15 | 1/4" QC | 1/4" or 3/8" SD |

**Inline Head**

*(B12LB)*

**Same Gearing / Output as Corded Tools**

*Only STANLEY offers INLINE Cordless Tool in Lever Style*

**Multi-function Display Panel**

**Ergonomic Lever Start Trigger**

**Low Impedance Motor**

**Comfort Grip Handle**

**Integrated Digital Control Circuit**

*(Inside Handle)*

**Micro-USB Port**

*(Back of Handle)*

**Battery Pack Release Button**

**Battery Pack**

*Page 13: Battery Packs & Chargers*

# Cordless Lever Style Tools

## Benefits:

- » **Ergonomic and durable design**
- » **Compact and lightweight**
- » **Low spare part costs with common gearing and outputs to STANLEY Corded Tools**
- » **Available in specialty outputs: offset, crowfoot, tube nut, hold and drive, safe hold and drive and push-to-start**

## TECHNICAL FEATURES

- Cordless Communication (IEEE 802.11 b/g/n 2.4 and 5 GHz WiFi) to QBE Expert (QB4101) or Network Node (QB0201)
- IEEE 802.15.4, 2.4 GHz wireless option communication to Network Node (QB0301)
- Accurate transducer control
- Precise, high efficiency, brushless DC motor
- Operator aided visual and audible feedback
- Controller INSIDE the tool
  - » Data storage of 500 fastening cycles and two traces
  - » 16 Jobs / 16 Tasks / 4 Steps
- Barcode Scanner option
- DEWALT 20V (18V outside North America) Platform

**B23LA** Right Angle Lever Style

**Specialty Outputs** (page 15)

| Model | Rated Speed | Torque | | "R" Side to Center | | "H" Head Height | | "L" Length w/ 4Ah Battery | | Weight w/ 4Ah Battery | | Weight w/o Battery | | Output | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RPM | Nm | lb ft | mm | in | mm | in | mm | in | kg | lb | kg | lb | Standard | Options |
| **B23LA13-12** | 665 | 12 | 8.8 | 13 | 0.5 | 33.2 | 1.3 | 537.4 | 21.2 | 2.41 | 5.3 | 1.74 | 3.8 | 3/8" SD | 1/4"QC or Flush |
| **B23LA13-17** | 460 | 17 | 12.5 | 13 | 0.5 | 33.2 | 1.3 | 537.4 | 21.2 | 2.41 | 5.3 | 1.74 | 3.8 | 3/8" SD | 1/4"QC or Flush |
| **B23LA15-23** | 370 | 23 | 17 | 15 | 0.59 | 39.9 | 1.57 | 552.5 | 21.75 | 2.58 | 5.7 | 1.95 | 4.3 | 3/8" SD | 1/2" SD or Flush |
| **B23LA15-35** | 230 | 35 | 25.8 | 15 | 0.59 | 39.9 | 1.57 | 567.7 | 22.35 | 2.65 | 5.8 | 1.98 | 4.4 | 3/8" SD | 1/2" SD or Flush |
| **B23LA18-42** | 180 | 42 | 31 | 18 | 0.71 | 39.9 | 1.57 | 563.2 | 22.2 | 2.83 | 6.2 | 2.11 | 4.6 | 3/8" SD | 1/2" SD or Flush |
| **B23LA19-52** | 155 | 52 | 38.3 | 19 | 0.75 | 47.8 | 1.9 | 592.7 | 23.4 | 2.99 | 6.6 | 2.32 | 5.1 | 1/2" SD | |
| **B23LA19-70** | 140 | 70 | 51.6 | 19 | 0.75 | 47.8 | 1.9 | 653.2 | 25.72 | 3.61 | 7.9 | 2.95 | 6.5 | 1/2" SD | |
| **B23LA22-95** | 105 | 95 | 70 | 22 | 0.87 | 47.9 | 1.9 | 660 | 26.0 | 3.61 | 7.9 | 2.95 | 6.5 | 1/2" SD | |

**Angle Head Output**

*(See page 15 for Specialty Outputs)*

**Same Gearing / Output as STANLEY Corded Tools**

**Multi-function Display Panel**

**Ergonomic Lever Start Trigger**

**High Efficiency Brushless Motor**

**Multifunction Button (MFB)**

**Comfort Grip Handle**

**Integrated Digital Control Circuit**

*(Inside Handle)*

**Micro-USB Port**

*(Back of Handle)*

**Battery Pack Release Button**

**Battery Pack**

# Cordless Lever Style Tools

## Benefits:

» **Fastest tool average over entire torque range**

» **Less battery changes and downtime with the greatest amount of energy per battery (180 Watt-Hours)**

» **The ONLY 60V cordless tool available on the market**

» **Low spare part costs with common gearing and outputs to STANLEY Corded Tools**

» **Available in specialty outputs: offset, crowfoot, tube nut, hold and drive, safe hold and drive and push-to-start**

## TECHNICAL FEATURES

- Cordless Communication (IEEE 802.11 b/g/n 2.4 and 5 GHz WiFi) to QBE Expert (QB4101) or Network Node (QB0201)
- IEEE 802.15.4, 2.4 GHz wireless option communication to Network Node (QB0301)
- Accurate transducer control
- Precise, high efficiency, brushless DC motor
- Operator aided visual and audible feedback
- Controller INSIDE the tool
  » Data storage of 500 fastening cycles and two traces
  » 16 Jobs / 16 Tasks / 2 Steps
- Barcode Scanner option
- DEWALT 60V (54V outside North America) Platform

**B33LA** Right Angle Lever Style

**Specialty Outputs** (page 15)

| Model | Rated Speed | Torque | | "R" Side to Center | | "H" Head Height | | "L" Length w/ 60V 2Ah Battery | | Weight w/ 60V 2Ah Battery | | Weight w/o Battery | | Output | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RPM | Nm | lb ft | mm | in | mm | in | mm | in | kg | lb | kg | lb | Standard | Options |
| B33LA13-14 | 1698 | 14 | 10.3 | 13 | 0.5 | 33.2 | 1.3 | 561.7 | 22.1 | 2.77 | 6.1 | 1.72 | 3.8 | 3/8" SD | 1/4" QC, 1/4" SD, 12mm Max Flush Socket, 3/8" Double Ended RH or LH |
| B33LA13-18 | 1372 | 18 | 13.3 | 13 | 0.5 | 33.2 | 1.3 | 561.7 | 22.1 | 2.77 | 6.1 | 1.72 | 3.8 | 3/8" SD | 1/4" QC, 1/4" SD, 12mm Max Flush Socket, 3/8" Double Ended RH or LH |
| B33LA15-25 | 959 | 25 | 18.5 | 15 | 0.59 | 39.9 | 1.57 | 576.8 | 22.7 | 2.99 | 6.6 | 1.95 | 4.3 | 3/8" SD | 13mm Max Flush Socket |
| B33LA15-40 | 525 | 40 | 29.5 | 15 | 0.59 | 39.9 | 1.57 | 592 | 23.3 | 3.04 | 6.7 | 2.0 | 4.4 | 3/8" SD | 13mm Max Flush Socket |
| B33LA18-48 | 455 | 48 | 35.4 | 18 | 0.71 | 39.9 | 1.57 | 587.5 | 23.1 | 3.13 | 6.9 | 2.09 | 4.6 | 3/8" SD | 16mm Max Flush Socket, 3/8" Double Ended |
| B33LA19-55 | 439 | 55 | 40.6 | 19 | 0.75 | 47.8 | 1.9 | 617 | 24.3 | 3.36 | 7.4 | 2.31 | 5.1 | 1/2" SD | 17mm Max Flush Socket, 1/2" Double Ended |
| B33LA19-70 | 356 | 70 | 51.6 | 19 | 0.75 | 47.8 | 1.9 | 677.5 | 26.7 | 3.99 | 8.8 | 2.95 | 6.5 | 1/2" SD | 17mm Max Flush Socket, 1/2" Double Ended |
| B33LA22-95 | 237 | 95 | 70 | 22 | 0.87 | 47.9 | 1.9 | 685.2 | 27.0 | 4.17 | 9.2 | 3.13 | 6.9 | 1/2" SD | 19mm Max Flush Socket, 1/2" Double Ended |

**NEW!**

**Angle Head Output**
*(See page 15 for Specialty Outputs)*

**Same Gearing / Output as STANLEY Corded Tools**

**THE STANLEY ADVANTAGE:**

*Only STANLEY offers a 60 Volt Cordless Tool*

**High Efficiency Brushless Motor**

**Multi-function Display Panel**

**Multifunction Button (MFB)**

**Comfort Grip Handle**

**Ergonomic Lever Start Trigger**

**Barcode Scanner or 802.15. GHz Wireless option module**

**Integrated Digital Control Circuit**
*(Inside Handle)*

**Micro-USB Port**
*(Back of Handle)*

**Battery Pack Release Button**

**Battery Pack**

# QBE Expert – Multi-Spindle Controller



**QB4101**
*Multi-spindle Controller*

## Benefits:

» **Large Touchscreen, Color Display and Keypad**

» **Quick Set-up from the Controller Keypad, or with a PC, tablet, or smart phone**

» **Alpha Toolbox, STANLEY's web-based software for programming, collecting data and performing diagnostics**

» **Less training, less inventory and spare parts: STANLEY offers the same Controller platform for Cordless B-Series Battery Tools as well as Corded Handheld and Fixtured EB-Series, E-Series and EA-Series Tools**

### TECHNICAL FEATURES

- One Network Connection for Multiple Spindles
- Manages a total of 24 spindles
- A maximum of 15 STANLEY Cordless Connections and 9 Corded Tools
- 255 Jobs and 99 tasks with 12 steps
- Stores trace data for 30,000 fastening cycles
- Serial port
- USB port
- Embedded PLC
- 8 In/ 8 Out – 24V I/O
- Embedded Modbus TCP
- Fieldbus options: Profibus, Profinet, DeviceNet and Ethernet IP
- Simple or advanced error proofing
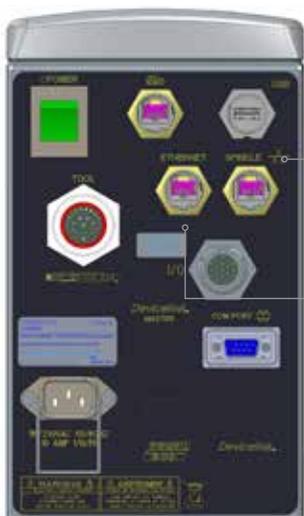


**Manages up to 15 spindles**
*(corded + cordless)*

**Minimizes plant connections through a single point interface to the plant network**

**On board PLC**



**Connect with PC, Tablet or Smart Phone** *(802.11 only)*

# QBE Specialist – Cordless Tool Controller



**NEW!**



**QB5100**
*Cordless Controller with LCD and Keypad*

## Benefits:

» **Large Touchscreen, Color Display and Keypad**

» **Quick Set-up from the Controller Keypad, or with a PC, tablet, or smart phone**

» **Alpha Toolbox, STANLEY's web-based software for programming, collecting data and performing diagnostics**

» **Less training, less inventory and spare parts: STANLEY offers the same Controller platform for Cordless B-Series Battery Tools.**

## TECHNICAL FEATURES

- One Network Connection for Multiple Spindles (requires a Node for each Corded Spindle)
- A maximum of 15 STANLEY Cordless Connections and 9 Corded Tools
- 255 Jobs and 99 tasks with 12 steps
- Stores trace data for 30,000 fastening cycles
- Serial port
- USB Port
- Embedded PLC
- 8 In and 8 Out – 24V DC I/O
- Embedded Modbus TCP
- Fieldbus Options: Profibus, Profinet, DeviceNet and Ethernet IP
- Simple or advanced error proofing
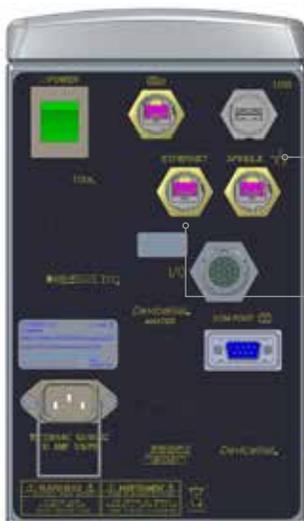


**Manages up to 15 spindles** *(cordless)*

**Minimizes plant connections through a single point interface to the plant network**

**On board PLC**



**Connect with PC, Tablet or Smart Phone** *(802.11 only)*

# QB Network Node

**QB0201** IEEE 802.11
*Can manage up to 6 STANLEY Cordless Tools*

**QB0301** IEEE 802.15.4
*Can manage 1 STANLEY Cordless Tool*

## Benefits:

» **Simplified User Interface**

» **Quick set-up with a PC, tablet, or smart phone**

» **Alpha Toolbox, web-based software for set-up, programming, collecting data and performing diagnostics**

» **Same QPM Controller platform for B-Series Battery Tools as well as EB-Series, E-Series and EA-Series Corded Tools**

## TECHNICAL FEATURES

- One-to-One Wireless Connection
- Up to 6 QPM Cordless Tools
- IEEE 802.15.4, 2.4 GHz wireless option communication to Network Node (QB0301)

**Connect with PC, Tablet or Smart Phone** *(802.11 only)*
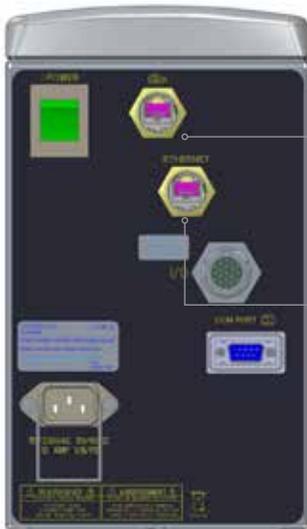
**Manages up to 6 spindles** *(cordless)*

**Minimizes plant connections through a single point interface to the plant network**

**On board PLC**

### 24V Input/Output enables Socket Tray and alarms for Error Proofing

Error proofing I/O assures the job cannot inadvertently leave the station unless fastened as specified.

Socket Tray for error proofed fastening job selection enables a single tool to reliably assemble joints of different target torque levels

# Powered by DEWALT

## DEWALT Lithium Batteries and Chargers

**DEWALT 20V, 2 Ah and 5 Ah (18 Volt, 5Ah European Model) Platform**

» **Estimated 2,200 fastening cycles per charge for 5 Ah***

» **3-LED Fuel Gauge indicator for immediate feedback on state of charge**

**DEWALT 60V, 2 Ah and 3 Ah (54 Volt, 2 Ah European Model) Platform**

» **Estimated 3,300 fastening cycles per charge for 2 Ah***

» **3-LED Fuel Gauge indicator for immediate feedback on state of charge**

STANLEY Assembly Technologies cordless tools ship with one battery pack and one charger *(North America only)*. Additional battery packs and chargers may be ordered separately:

| | ITEM | DESCRIPTION |
|---|---|---|
| **N. AMERICA (NA)** | 21R209202 | 20V Battery Pack, 2 Ah |
| | 21R209205 | 20V Battery Pack, 5 Ah |
| | 21R209500 | 20V / 60V Battery Charger |
| | 21R209203 | 60V, 2 Ah / 20V, 6 Ah Battery Pack |
| | 21R209204 | 60V, 3 Ah / 20V, 9 Ah Battery Pack |
| **EUROPE** | N566441 | Battery Pack, 18V 2 Ah |
| | E008 505 | Battery Pack, 18V, 5 Ah |
| | N630880 | Charger 18V/54V/SINGLE/DCB118-QW |
| | N630919 | Battery 54, 2 Ah/18V, 6 Ah -108Wh-DCB546-XJ |
| | N630923 | Battery 54, 3 Ah/18V, 9 Ah -162Wh-DCB547-XJ |
| | N630885 | Charger, 18V/54V/SINGLE/DCB118-UK |
| | N630892 | Charger, 18V/54V/DOUBLE/DCB132-Europe |
| | N630896 | Charger, 18V/54V/DOUBLE/DCB132-UK |

### PROTECTIVE BOOT COVERS

**20R215400 for 20V / 5 Ah battery pack**

**20R215401 for 20V / 2 Ah battery pack**

▲
Shown: **21R209204 —
DEWALT 60V, 3 Ah / 20V, 9Ah
Battery Pack, NA**

▲
Shown: **21R209205 —
DEWALT 20V, 5 Ah Battery Pack, NA**

Shown: **21R209500 — DEWALT 20V /
60V Battery Charger, NA**
▼

# Tool Options

## Barcode Scanner:

» **Rugged, industrial barcode scanner**

» **Optimize work processes, streamline data collection/entry, simplify tracking**

» **Recognizes 35 different barcode symbologies**



## Tool Bail Options:

» **Tool Bails allow a tool to be hung to protect the tool from accidental drops, damage or even misplacement in the work environment**

» **Swivel bail allows for a balancer to hold the weight of the tool while the operator uses the tool**

» **Vertical wire bails allow the tool to be hung on a hook for storage**

## Wireless Module:

» **Industrial wireless communication system (with 802-15-4 Technology)**

» **Fast and reliable connection with long range communication**

# Cordless Lever Style Tools — Full Range of Specialty Outputs

## Four output styles and many standard designs enable unique geometries that fit the application.

» Hundreds of Unique Designs From Over 50 Years Experience

» Outputs Matched to the Tool Helps Optimize Performance
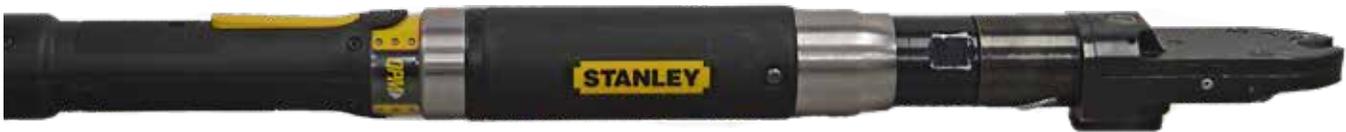


**FLUSH ANGLE**

**CROWFOOT**

**TUBENUT**

**HOLD and DRIVE**

**Hundreds of output designs enable solutions that fit your application.** STANLEY manufactures a complete range of outputs to access all types of threaded fasteners. By controlling both the design of the tool and the output, STANLEY can properly match components in the tool design to help optimize performance and long life. With over 50 years of experience in developing standard and special outputs, STANLEY has the expertise to handle the most challenging fastening requirements.

# How To Order Guide:

## B  3  3  L  A  19  70

- **Max Torque (Nm)**
- **Head Size / Number**
- **Output Type** . . . . . . . A – Angle
  - B – Inline Style
  - C – Crowfoot
  - H – Hold-n-Drive
  - T – Tube Nut
  - P – Push-to-Start
- **Trigger Type** . . . . . . . L – Lever Start Style
  - P – Pistol Start Style
- **Modular Gear Set\***   2, 3
- **Motor Size\*** . . . . . . . 1, 2, 3
- **Power Source** . . . . . . B – High-Power Electric Brushless Battery Motor
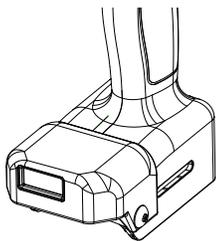
Barcode Scanner Option
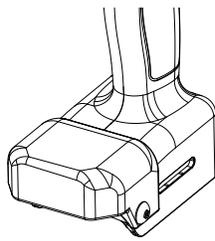
802.15.4 Wireless Radio Option
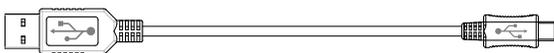
Programming Cable

| OPTIONS\*\* | | | |
|---|---|---|---|
| **Barcode Scanner** | | **802.15.4 Radio** | |
| B12 Pistol Grip | 20H106100 | B12 Pistol Grip | 20H106102 |
| B12 Push-to-Start Pistol | 20H106101 | B12 Push-to-Start Pistol | 20H106103 |
| B12 Lever Style | 20H106300 | B12 Lever Style | 20H106301 |
| B23 Lever Style | 20H106200 | B23 Lever Style | 20H106202 |
| B33 Lever Style | 20H106201 | B33 Lever Style | 20H106203 |

| ACCESSORIES | |
|---|---|
| **Programming Cable** | 20C206600 |

*\*Pistol Start tools are only available in Motor Size 1 and Modular Gear Size 2.*
*Lever Start tools are only available in Motor Size 2 and Modular Gear Size 3.*

*\*\*QPM Cordless tool can accommodate one option (e.g., a barcode scanner or an IEEE 802.15.4 radio).*

# STANLEY®
## Engineered Fastening

StanleyEngineeredFastening.com

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## Assembly Technologies