CORDLESS TOOL SYSTEMS
for **PRECISION FASTENING**

STANLEY®
Engineered Fastening

Assembly Technologies

Cordless Pistol Grip Tools

B12PB ▶
Pistol Inline 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

- IEEE 802.11 a/b/g/n 2.4 or 5 Ghz WiFi to QB Expert or Network Node (QB0201) and 2.4 or 5 GHz to facility network
- IEEE 802.15.4, 2.4 GHz wireless communication option to Network Node (QB0301)
- Accurate transducer closed-loop control
- Precise, Low Impedance Brushless DC motor
- Visual and audible feedback for operator aids
- Controller INSIDE the tool
  - » Data storage of 500 fastening cycles and two traces
  - » 16 Jobs / 16 Tasks / 4 Steps
- Barcode Scanner and IEEE 802.15.4 Radio Options
- DeWALT 20V (18 Volt outside North America) Platform

Page 9: Battery Packs & Chargers

	Model	Rated Speed	Torque		"R" Side to Center		"L" Length		Weight w/ 4Ah Battery		Weight w/o Battery		Output	
		RPM	*Nm*	*lb ft*	*mm*	*in*	*mm*	*in*	*kg*	*lb*	*kg*	*lb*	*Standard*	*Options*
Inline	**B12PB-6**	1290	6	4.4	20	0.8	264	10.4	1.55	3.4	0.96	2.1	1/4" QC	1/4" or 3/8" SD
	B12PB-9	895	9	6.6	20	0.8	264	10.4	1.55	3.4	0.96	2.1	1/4" QC	1/4" or 3/8" SD
	B12PB-14	615	14	10.3	20	0.8	264	10.4	1.55	3.4	0.96	2.1	1/4" QC	1/4" or 3/8" SD
Push-to-Start	**B12PP-6**	1290	6	4.4	20	0.8	264	10.4	1.55	3.4	0.96	2.1	1/4" QC	1/4" or 3/8" SD
	B12PP-9	895	9	6.6	20	0.8	264	10.4	1.55	3.4	0.96	2.1	1/4" QC	1/4" or 3/8" SD
	B12PP-14	615	14	10.3	20	0.8	264	10.4	1.55	3.4	0.96	2.1	1/4" QC	1/4" or 3/8" SD

Total vibration emission value: <2.5 m/sec² (ISO 28927-2:2009); Sound pressure level at work station LpA (ref 20µPa) is < 70dB(A) (ISO 15744-2002).

Push-to-Start Work lights

Operator Feedback Display

1/4" Hex Quick Change Chuck

Multifunction Button (MFB)

Start Trigger Switch

Work lights

Comfort Grip Handle

Integrated Digital Control Circuit

(Inside Handle)

Micro-USB Port

(Back of Handle)

Battery Pack Release Button

Battery Pack

STANLEY
Assembly Technologies
20v MAX
LITHIUM ION 4Ah

Cordless Lever Style Tools

NEW!

▲ **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

- IEEE 802.11 a/b/g/n 2.4 or 5 Ghz WiFi to QB Expert or Network Node (QB0201) and 2.4 or 5 GHz to facility network
- IEEE 802.15.4, 2.4 GHz wireless communication option to Network Node (QB0301)
- Accurate transducer control
- Precise, Low Impedance Brushless DC motor
- Visual and audible feedback for operator aids
- Controller INSIDE the tool
  » Data storage of 500 fastening cycles and two traces
  » 16 Jobs / 16 Tasks / 4 Steps
- Barcode Scanner and IEEE 802.15.4 Radio Options
- DeWALT 20V (18 Volt 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

Total vibration emission value: <2.5 m/sec² (ISO 28927-2:2009); Sound pressure level at work station LpA (ref 20µPa) is < 70dB(A) (ISO 15744-2002).

Inline Head

(B12LB)

Same Gearing / Output as E Tools

Only STANLEY offers INLINE Cordless Tool in Lever Style!

Multi-function Display Panel

Low Impedance Motor

Ergonomic Lever Start Trigger

Comfort Grip Handle

Integrated Digital Control Circuit

(Inside Handle)

Micro-USB Port

(Back of Handle)

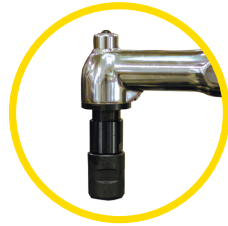**Battery Pack Release Button**

Battery Pack

STANLEY

20V MAX
Lithium Ion 4Ah

Page 9: Battery Packs & Chargers

Cordless Lever Style Tools

B23LA Right Angle Lever Style

Specialty Outputs (page 8)

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

- IEEE 802.11 a/b/g/n 2.4 or 5 Ghz WiFi to QB Expert or Network Node (QB0201) and 2.4 or 5 GHz to facility network
- IEEE 802.15.4, 2.4 GHz wireless option communication to Network Node (QB0301)
- Accurate transducer control
- Precise Brushless, Low Impedance DC motor
- Visual and audible feedback for operator aids
- Controller INSIDE the tool
  » Data storage of 500 fastening cycles and two traces
  » 16 Jobs / 16 Tasks / 4 Steps
- Barcode Scanner and Zigbee Radio Options
- DeWALT 20V (18 Volt outside North America) Platform

➕ *Page 9: Battery Packs & Chargers*

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	

Lever Angle (row group label)

Total vibration emission value: <2.5 m/sec² (ISO 28927-2:2009); Sound pressure level at work station LpA (ref 20µPa) is < 70dB(A) (ISO 15744-2002).

Angle Head Output

(See page 8 for Specialty Outputs)

Same Gearing / Output as E Tools

Low Impedance Motor

Multi-function Display Panel

Multifunction Button (MFB)

Ergonomic Lever Start Trigger

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 — Full Range of Specialty Outputs

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

- » Torque Levels From 3 to 1250 Nm and Higher
- » Hundreds of Unique Designs From Over 50 Years Experience
- » Outputs Matched to the Tool Helps Optimize Performance

FLUSH ANGLE
Torque Range: 3 - 400 Nm

CROWFOOT
Torque Range: 4 - 1250 Nm

TUBENUT
Torque Range: 4 - 650 Nm

HOLD and DRIVE
Torque Range: 11 - 380 Nm

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.

Battery Packs & Chargers

STANLEY 20V, 2 Ah and 4 Ah (18 Volt, 5Ah European Model) Platform

» **Estimated 2,200 fastening cycles per charge***

» **Estimated 1,000 charge cycles throughout life***

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

STANLEY Lithium Ion Battery Packs and Chargers

ITEM	DESCRIPTION
21R209700	Battery Pack, 2 Ah, North America
21R209300	Battery Pack, 4 Ah, North America
N566 441	Battery Pack, 2 Ah, Europe
E008 505	Battery Pack, 5 Ah, Europe
21R209500	Charger, North America
E008 501	Charger, Europe
E008 502	Charger, UK
E008 503	Charger 18V (Double), Europe
E008 504	Charger 18V (Double), UK

21R209700
2 Ah Battery Pack

21R209300
4 Ah Battery Pack

21R209500
Charger
North America

3-LED Fuel Gauge system for immediate feedback on state of charge

The RBRC Seal
(on top of battery pack)

*Dependent on application and joint rate

QB Expert Controller

QB4101
Manages up to 23 QPM Cordless Tools

Benefits:

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

» **Quick set-up from the controller keypad, or with a PC, tablet, or smart phone**

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

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

TECHNICAL FEATURES

- One Network Connection for Multiple Spindles
- Up to 23 QPM Cordless Tools
- 255 Jobs and 99 tasks with 12 steps
- Stores data for 30,000 fastening cycles
- Stores trade 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, EthernetIP
- Simple or Advanced Error Proofing
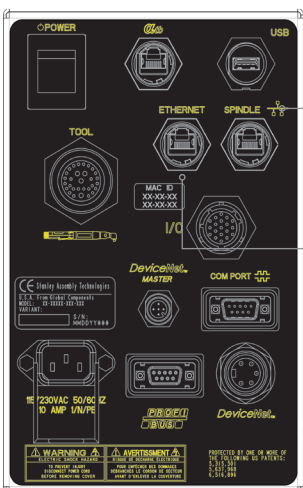
Manages up to 24 spindles
(corded + cordless)

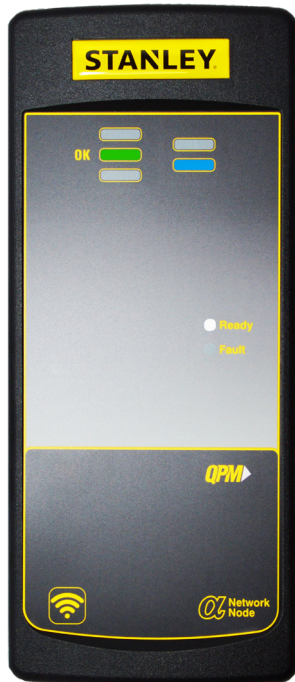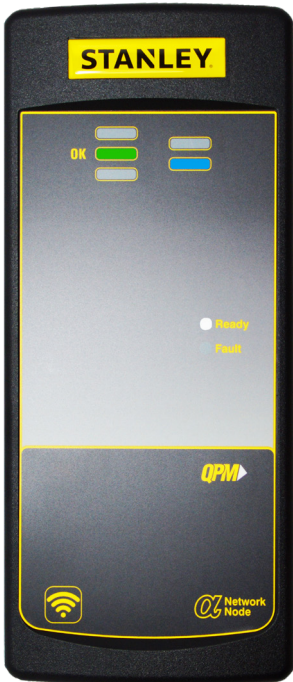**Minimizes plant connections through a single point interface to the plant network**

On board PLC
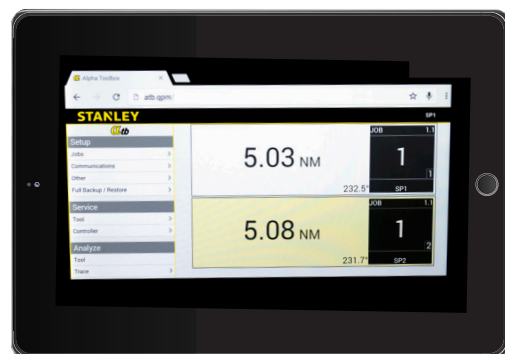
Connect with Tablet
(802.11 only)

QB Network Node

QB0201 IEEE 802.11
Manages up to 6 QPM Cordless Tools ▶

QB0301 IEEE 802.15.4 ◀
*Manages 1 QPM 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**

TECHNICAL FEATURES

- One Network Connection for Multiple Spindles
- 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)
- Serial Port
- Embedded PLC
- 8 In/ 8 Out 24V I/O
- Embedded Modbus TCP
- Simple or Advanced Error Proofing

Connect with Smart Phone
(802.11 only)

8 in/ 8 out 24 V I/O for line control
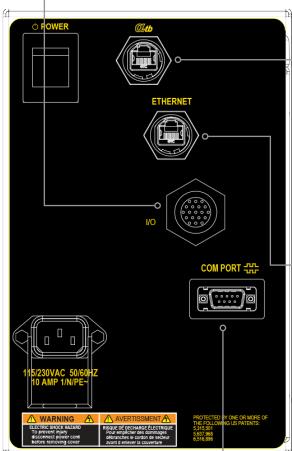
On board PLC

Tool Configuration and Data Collection

- Alpha Toolbox functionality
- Browser based software delivered from Ethernet connection on controller

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

Serial port can connect to plant networks

24V I/O, WIFI and Modbus enables Socket Tray and alarms for Error Proofing. Socket Tray with integrated software for easy programming
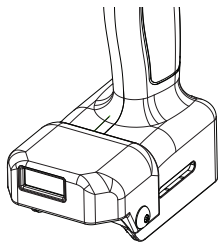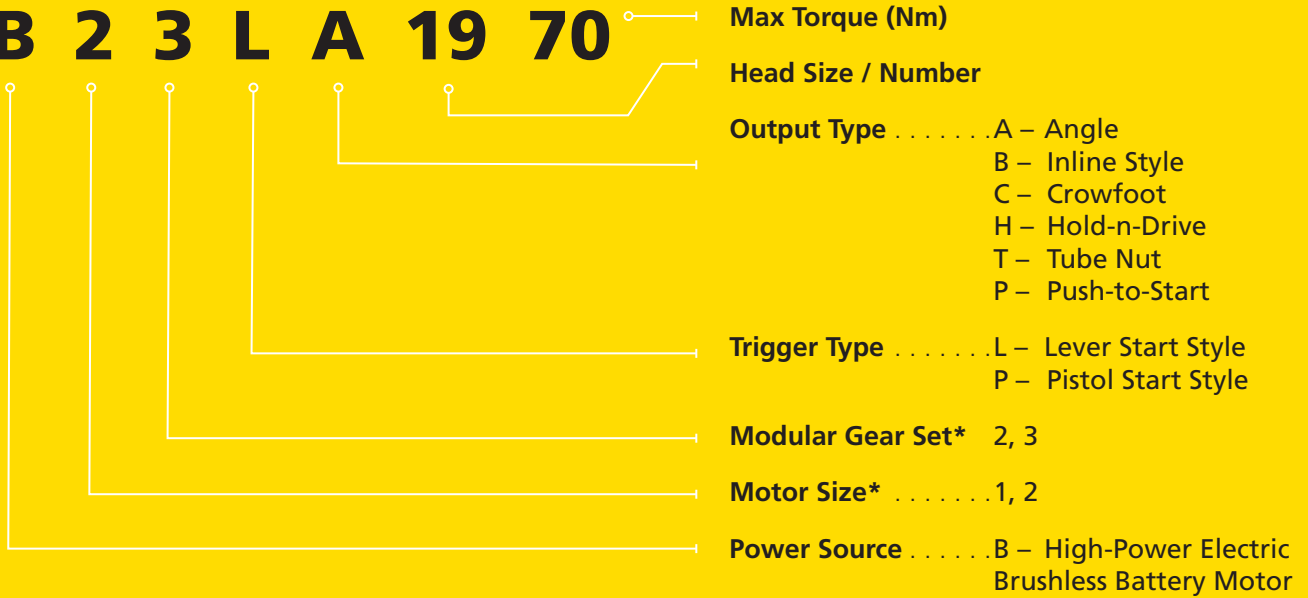
Error proofing I/O assures the job cannot inadvertently leave the station unless fastened as specified.
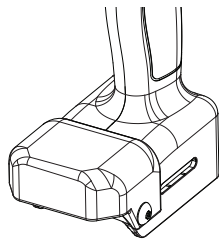
Socket Tray for error proofed fastening job selection enables a single tool to reliably assemble joints of different target torque levels

How To Order Guide:

B 2 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
- Power Source . . . . . . B – High-Power Electric Brushless Battery Motor

Barcode Scanner Option

802.15.4 Radio Option

Programming Cable

OPTIONS**			
Barcode Scanner		**802.15.4 Radio**	
B12 Inline Pistol	20H106100	B12 Inline Pistol	20H106102
B12 PTS Pistol	20H106101	B12 PTS Pistol	20H106103
B12 Lever Tool	20H106300	B12 Lever Tool	20H106301
B23 Lever Tool	20H106200	B23 Lever Tool	20H106202

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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