



BTL Series Electric Screwdrivers

BTL-05, BTL-10, BTL-15

User Manual

Note

- This electric screwdriver is designed for indoor use only. Please do not use it outdoors or in a wet environment to prevent the danger of electrocution
- Pay attention to the voltage specification. Make sure the switch is in the OFF position when you plug in the power
- Unless you are a trained maintenance personnel, do not disassemble the device lest it causes dangers or more damages

Operating Instructions

- Make sure the power is switched off to install or replace screwdriver bits; pressing the front-end iron cap will allow the screwdriver bits to be inserted or released
- It is recommended to suspend the electric screwdriver by a flexible balancer for easy operation and prevent its dropping
- Adjust the torque dial to the proper position according to the dial/torque table for each model
- The forward/reverse switch should be set to the forward position when fastening screws. Press the start switch to complete the operation. The automatic control model will shut off the power and stop the rotation of the screwdriver bit as soon as the set torque value is reached
- Position the forward/reverse switch to reverse to loosen screws
- Use hands to hold the electric screwdriver during operation. Keep it in a perpendicular position with the screw and apply pressure slightly to prevent slipping
- Use hands or other means to fix the object operated and operate the electrical power screwdriver safely
- Do not switch the forward/reverse position when the motor is running to prevent the short-circuit of the start switch
- To ensure long life, use it under the normal operation frequency (8 working hours per day and fasten 800-1000 screws per hour)
- Please do not use this type of electric screwdriver to fasten wooden screws

Power Supply

- The BTL-05, BTL-10 and BTL-15 brushless electric screwdrivers can be used with switching power supply BTL-5A or PS-55
- The electric screwdriver connects to the power supply with 5P connecting wire
- Insure that the power supply is connected at 90-240V 50/60Hz, and turn on the power
- By turning the HI/LOW switch, user can adjust the speed of the electric screwdriver
- When using the PS-55 power supply, the screw counter STC-02 and Soft Start feature will not function



**Switching Power Supply
BTL-5A (65710)**



PS-55 (65700)

ASG, Division of Jergens, Inc.

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Regular Simple Maintenance



Check to see whether all the parts, shell, and power lines are intact all the time to ensure normal operations. Unplug the power plug and turn off the power before doing any maintenance operation to ensure safety. For every 1000 hours operation or half year, the following cleaning and maintenance operations to the machine body and the inside are required.



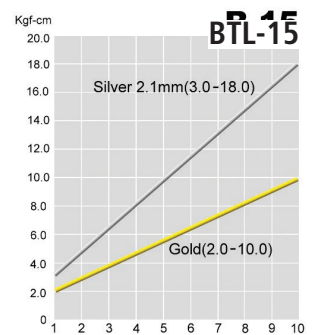
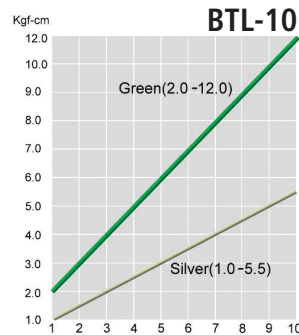
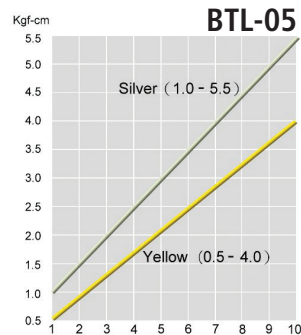
ON/OFF Switch
ON/OFF Switch is on the head of the electric screwdriver



Torque Adjusting Nut

Output Torque/Adjust Dial

User can adjust output torque range of the tool via changing the torque spring. Please refer to the torque/dial table and then turn the "torque adjusting nut" to set the proper dial for each model of machine and set to the desired torque for operations.



Adjusting the Torque

- The dials on the electric screwdriver do not represent the torque value
- Please use the torque/dial table to set the proper dial for each different machine type and set to the desired torque for operations
- Actual torque output should always be verified with a torque tester, such as the ASG DTT series



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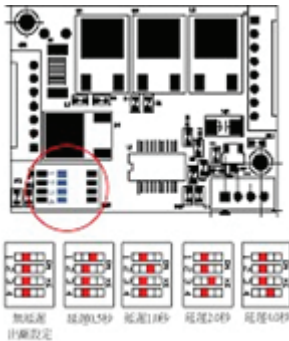
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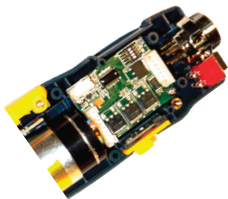
Soft Start Adjustable Time Setting Switch

The BTL-05, BTL-10 and BTL-15 brushless electric screwdrivers possess Soft Start adjustable time setting switch. User can set the machines to start from lower speed for 0.2 - 4.0 seconds and then switch to full speed operating automatically.

With five levels to choose: 0.0sec/0.5sec/1sec/2sec/4sec



Carefully take off the tag from its side, and user can see a small square opening as the picture shows.



The adjustable switch is at the corresponding position inside the square opening. See the red circle on the right picture.

Turn the switch separately to set the time of Soft Start