

BLACK+DECKER EIH183

BLACK+DECKER EIH183 Impact Driver Head Instruction Manual

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1. PRODUCT OVERVIEW

The BLACK+DECKER EIH183 Impact Driver Head is an accessory designed to convert your compatible EVO 183 power tool body into an impact driver. This head is specifically engineered for tasks requiring high torque, such as tightening long screws in applications like wood deck construction. It provides efficient and powerful screw driving capabilities, enhancing the versatility of your existing BLACK+DECKER EVO system.

This impact driver head delivers a maximum torque of 140 Newton Meters (N·m) and features a no-load rotational speed ranging from 0 to 3100 revolutions per minute (min^{-1}). The impact mechanism provides 0 to 4000 impacts per minute (min^{-1}), ensuring effective fastening. It is constructed from glass-filled nylon for durability.



Figure 1: The BLACK+DECKER EIH183 Impact Driver Head in use, attached to a compatible power tool body for screw driving.

2. GENERAL SAFETY INFORMATION

Always observe basic safety precautions when using power tools and accessories to reduce the risk of fire, electric shock, and personal injury. Keep this instruction manual for future reference.

- **Read all instructions:** Familiarize yourself with the operation and limitations of the tool and the specific hazards associated with this accessory.
- **Wear eye protection:** Always wear appropriate eye protection that complies with applicable standards.
- **Wear hearing protection:** Prolonged exposure to noise from power tools can cause hearing damage.
- **Secure workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during operation.
- **Keep work area clean:** Cluttered areas invite accidents.
- **Avoid accidental starting:** Ensure the power tool is switched off before attaching or detaching the impact driver head.
- **Use correct accessory:** Only use bits and accessories designed for impact driving and compatible with this head.
- **Maintain proper footing and balance:** Do not overreach.
- **Disconnect power:** Always disconnect the power tool from its power source (remove battery pack) before making any adjustments, changing accessories, or storing the tool.

3. SETUP AND INSTALLATION

3.1 Attaching the Impact Driver Head

1. Ensure your BLACK+DECKER EVO 183 power tool body is switched off and the battery pack is removed.
2. Align the impact driver head with the main body of the EVO 183 tool.
3. Push the head firmly onto the body until it clicks securely into place. Ensure it is fully seated and does not wobble.

3.2 Inserting and Removing Bits

The EI183 Impact Driver Head uses standard 1/4-inch hex shank bits.

1. To insert a bit: Pull the collar of the chuck forward, insert the hex shank of the bit fully into the chuck, and then release the collar. Tug on the bit to ensure it is securely locked.
2. To remove a bit: Pull the collar of the chuck forward, and the bit will release.



Figure 2: The EI183 Impact Driver Head showing the bit insertion mechanism.

4. OPERATING INSTRUCTIONS

Once the impact driver head is securely attached and a bit is inserted, you can begin operation.

1. **Prepare the Workpiece:** Ensure the material to be fastened is stable and properly supported. Mark the drilling or driving location.
2. **Select Appropriate Bit:** Choose a bit that matches the screw head type and size.

3. **Position the Tool:** Hold the power tool firmly with both hands. Place the tip of the bit onto the screw head.
4. **Start Driving:** Press the trigger on the EVO 183 power tool body. The impact mechanism will engage as resistance increases, providing high torque for efficient screw driving.
5. **Control Speed:** The speed is typically controlled by the pressure applied to the trigger. Start slowly to ensure the bit engages properly with the screw head, then increase speed as needed.
6. **Avoid Overtightening:** Release the trigger once the screw is fully seated to prevent damage to the screw head or workpiece.



Figure 3: The EI183 Impact Driver Head being used to fasten components on a metal frame, demonstrating its application in various tasks.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your impact driver head.

- **Cleaning:** After each use, wipe the impact driver head with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure no dust or debris accumulates in the chuck mechanism.
- **Storage:** Store the impact driver head in a dry, secure location, away from direct sunlight and extreme temperatures. Keep it out of reach of children.

- **Inspection:** Periodically inspect the head for any signs of wear, damage, or loose parts. If any damage is found, discontinue use and contact customer support.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with the EIH183 Impact Driver Head.

Problem	Possible Cause	Solution
Bit not holding securely.	Chuck collar not fully released; bit not fully inserted; incorrect bit type.	Ensure bit is fully inserted and collar is released. Use only 1/4-inch hex shank bits.
Impact mechanism not engaging.	Insufficient resistance; tool body issue.	The impact mechanism engages under load. If no load, it will act as a regular driver. Check the EVO 183 power tool body for proper function.
Reduced performance.	Worn bit; low battery on tool body; debris in chuck.	Replace worn bits. Recharge or replace the battery pack on the EVO 183 body. Clean the chuck mechanism.

7. TECHNICAL SPECIFICATIONS

The following are the key technical specifications for the BLACK+DECKER EIH183 Impact Driver Head:

Feature	Specification
Model Number	EIH183
Maximum Torque	140 N·m (Newton Meters)
No-load Rotational Speed	0 - 3100 min ⁻¹ (RPM)
Number of Impacts	0 - 4000 min ⁻¹
Tightening Capacity (Screws)	4.2 × 125 mm
Tightening Capacity (Ordinary Bolt)	M12
Material	Glass filled nylon
Country of Origin	China

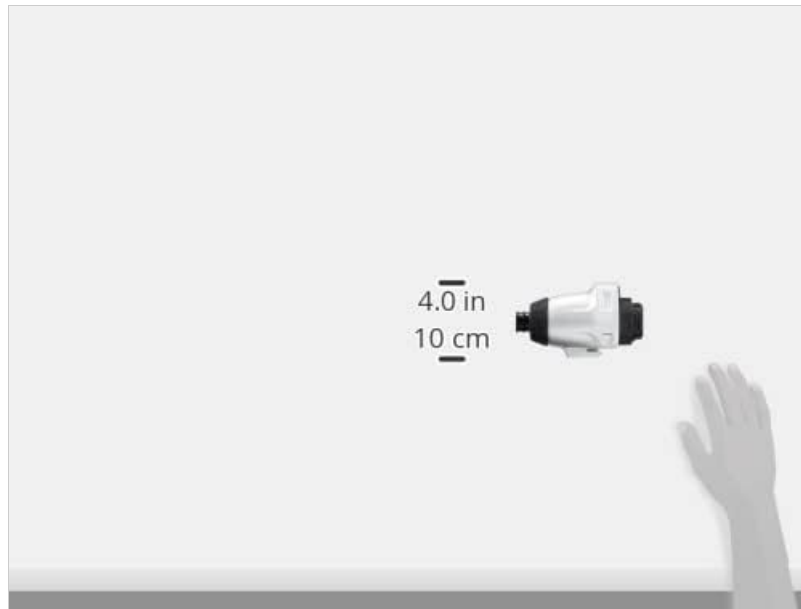


Figure 4: Dimensional view of the EIH183 Impact Driver Head.

8. WARRANTY AND SUPPORT

For specific warranty information, please refer to the documentation provided with your original BLACK+DECKER EVO 183 power tool body or visit the official BLACK+DECKER website. This impact driver head is an accessory and its warranty may be covered under the main tool's warranty or as a separate accessory.

For technical support, spare parts, or service inquiries, please contact BLACK+DECKER customer service. You can often find contact details on the official brand website or within the main power tool's instruction manual.

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