



品名	DL-CZ13-E5 DL-CZ13-E5-G DL-CZ13-E6 DL-CZ13-E6-G	货号	冲击电钻	零件名称	说明书
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User Instruction Manual

IMPACT DRILL

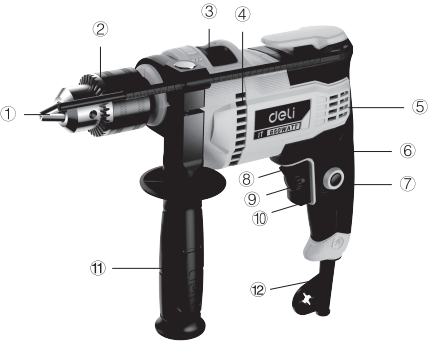
DL-CZ13-E5 DL-CZ13-E6
DL-CZ13-E5-G DL-CZ13-E6-G



Contents

- Electric Drill Diagram
- General Safety Warnings for Electric Tool
- Function Explanation
- Troubleshooting
- Repair & Service

1 Electric Drill Diagram



This diagram is for reference only
Machine appearances vary as per different models, and actual product shall prevail!

Serial No.	Name	Serial No.	Name
①	Drill chuck	⑦	Constant lock key
②	Chuck revolving sleeve	⑧	Forward/reverse rotation key (E5/E5-G is rod type)
③	Gear key	⑨	Speed knob
④	Wind outlet	⑩	Start switch
⑤	Wind inlet	⑪	Auxiliary handle
⑥	Machine housing	⑫	Power cords

2 General Safety Warnings for Electric Tool

Warning
Read all warnings and instructions. Failure to obey the following warnings and instructions will cause electric shock, fire and/or serious injury. Save all warnings and instruction manual for future reference.

In all following warnings, the term "electric tool" refers to power-driven (wired) electric tool or battery-driven (wireless) electric tool.

Workplace safety

- Keep workplace clean and bright. Chaotic and dark venues will lead to accidents.
- Do not operate electric tool in an explosive environment, such as an environment with flammable liquid, gas or dust. Sparks from electric tool will ignite dust or gas.
- When operating electric tool, keep away from children and bystanders. Inattention will cause the operator to lose control of the tool.

Electrical safety

- Electric tool plug must match the socket. Never modify the plug in any manner. Do not use any adapter plug for the electric tool in need of grounding. Unmodified plug and matched socket will reduce electric shock danger.
- Avoid human touch with grounded surface such as pipes, cooling fins and refrigerators. If your body is grounded, it will increase electric shock danger.
- Do not expose electric tool to rain or humid environment. Water entering electric tool will increase electric shock danger.
- Do not abuse wires. Never use wires to move, pull or unplug electric tool. Keep wires away from heat sources, oils, sharp edges or moving parts. Damaged or entangled wires will increase electric shock danger.
- When using electric tool outdoors, use extension cords suitable for outdoors, and the wires suitable for outdoors will reduce electric shock danger.
- If it is unavoidable to operate electric tool in a humid environment, use the power supply with residual current device (RCD) protection.

规格	148x210mm	材质及要求	骑马钉 封皮120g双胶纸, 里纸80g双胶纸
印刷颜色	■ 黑色	版本	1.1(增加内容)
备注		日期	
批准		审核	
		校对	
		设计	潘雪莹

品名	DL-CZ13-E5	货号	冲击电钻	零件名称	说明书	
DL-CZ13-E6						
<p>RCD can be used to reduce electric shock danger.</p> <p>Personal safety</p> <ol style="list-style-type: none"> Keep alert. When operating electric tool focus on the operation and keep sober. Do not operate electric tool when you feel tired or have drug, alcohol or treatment reaction. Momentary negligence when operating electric tool will cause serious personal injury. Use personal protective device. Always wear goggles and safety device. For example, the use of dust masks, non-slip safety shoes, helmets, hearing protection and other devices under appropriate conditions can reduce personal injury. Prevent accidental start. Ensure the switch in off position before connecting power supply and/or battery box, picking up or moving the tool. Putting fingers on the connected power switch or inserting plug when the switch is connected may cause danger. Before electric tool is connected, take off all adjustment keys or wrenches. The wrenches or keys left on rotating parts of electric tool cause personal injury. Do not stretch hands too long. Always note standing point and body balance, so as to control electric tool in this way under unexpected circumstances. Dress properly, rather than wear loose clothes or accessories. Keep clothes gloves and hair away from moving parts. Loose clothes, accessories and long hair may get caught in moving parts. If a device for connecting with chip removal and dust collection equipment is provided, Make sure they are connected well and used properly. The use of these devices may reduce the danger caused by dusts and chips. Do not treat lightly due to familiarity arising from frequent use of tools, or ignore tool safety guidelines. A careless action may cause serious injury in an instant. <p>Electric tool use and precautions</p> <ol style="list-style-type: none"> Do not force the use of electric tool but use appropriate electric tool according to applications. The selection of a properly designed electric tool will make your work more effective and safer. If power supply of the tool cannot be connected or turned off by the switch, this electric tool cannot be used. Electric tool that cannot be controlled by the switch is dangerous and must be repaired. Before making and operations performed. Using electric tool for electric tool, unplug from the power and/or dismount battery pack (if applicable). <p>Such protective measures will reduce the danger of accidental activation of the tool.</p> <ol style="list-style-type: none"> Store unused electric tool out of the reach of children, and do not allow those who are unfamiliar with it and do not understand these instructions to operate it. Electric tool is dangerous in the hands of untrained users. Maintain electric tool and its accessories. Check whether moving parts are adjusted in place or jammed, damage of parts and other conditions affecting running of electric tool. In case of damage, repair before using electric tool. Many accidents are caused by poorly maintained electric tools. Keep cutting tools sharp and clean. Properly maintained cutters with sharp cutting edges are not easily jammed and easy to control. Choose the use of electric tool accessories, tool cutter head in accordance with instruction manual, while considering operation conditions and operations performed. Using electric tool for operations at variance with the applications may lead to danger. Keep the handle and grip surface dry, clean and free of grease. Under unexpected circumstances, wet and slippery handle cannot guarantee grip safety and tool control. <p>Repair</p> <p>Electric tool is repaired by professional repair personnel using the same spare parts, which will ensure safety of electric tool repaired.</p> <p>Wear earmuffs. Exposure to noise will cause hearing impairment.</p> <p>Use the auxiliary handle provided with the tool since loss of control will cause personal injury.</p> <p>When operating in the place where cutting accessories may touch concealed wires or their flexible wires, grip the tool through the insulated grip surface. If cutting accessories touch the live lead, the exposed metal parts of tool are live, and thus the operator will suffer electric shock.</p> <p>3 Warning Explanation</p> <p>Warning</p> <p>Read all warnings, reminders and instructions. Failure to obey warnings, reminders and instructions may cause electric shock, fire and other serious injuries.</p>		<p>detachable). Such protective measures will reduce the danger of accidental activation of the tool.</p> <ol style="list-style-type: none"> Store unused electric tool out of the reach of children, and do not allow those who are unfamiliar with it and do not understand these instructions to operate it. 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<p>Open the machine decomposition diagram for reference when reading the operating guidelines.</p> <p>Safety instructions for machine</p> <ol style="list-style-type: none"> Wear earmuffs, as work noise will impair hearing. Please use the auxiliary handle attached with electric tool. Uncontrolled electric tool is prone to cause injury. Detect hidden wires using suitable detective device, or seek help from relevant local entities. Touching wires may cause fire and electric shock to the operator. A damaged gas pipe will cause explosion. Chiseling through water pipe will not only cause serious property damage, but also lead to electric shock. During work, firmly hold electric tool with both hands, and ensure to stand securely able to hold it stably with both hands. Properly fix workpiece, and using a fixture or vise to fix is more sturdy than holding it with hands. Concrete, brick wall and stone. Machines equipped with electronic adjusting device and forward/reverse rotation switch also enable turning in/out screw or tapping. Do not process materials containing asbestos. Asbestos may cause cancer. If machine operation will generate waste dusts that are harmful to health, flammable or may cause explosion, make sure to take proper preventive measures. For example, for some dusts that may cause cancer, make sure to wear a dust mask. If you can install a vacuum cleaner on the machine, add such apparatus as well. The workplace must be kept clean. Different working dusts are easy to produce chemical reactions after mixing, which is very dangerous, and light metal dusts are easy to catch fire or cause explosion. Do not put down the machine until waiting for electric tool to entirely stay still. The tool on machine may get clamped during work, thus making it difficult to take off. Do not use electric tool with damaged wires. If power wires are damaged during work, do not touch the damaged wires and pull out the plug immediately, since the damaged wires will increase the danger of electric shock to the user. <p>Component introduction</p> <p>Drill chuck three-jaw chuck for clamping drilling accessories.</p> <p>Chuck revolving sleeve tighten and loosen chuck.</p> <p>Gear key: choose drill function or impact drill function.</p> <p>Wind outlet: wind outlet after the motor is started.</p> <p>Wind inlet: wind inlet after the motor is started.</p> <p>Housing: electric drill appearance.</p>		<p>Constant lock key: after pressing the start switch, press constant lock key to achieve long start of machine.</p> <p>Power cord: power input cord for electric drill.</p> <p>Forward/reverse rotation adjusting rod: achieve forward/reverse rotation of drill bit. Top housing of adjusting rod is marked with forward rotation (R →) and reverse rotation (L ←).</p> <p>Speed knob: press "+" and "-" on the knob to instruct rotation and achieve adjustment of fast and slow speed.</p> <p>Start switch: button to start motor after the power is connected.</p> <p>Install and replace chuck</p> <p>Reverse rotate the chuck revolving sleeve (2) to loosen three-jaw drill chuck (1). Insert the clamping part of drilling tool into three-jaw hole and then forwardly rotate the chuck until locking (lock using a key for the key chuck). Use only after confirming the drilling tool is locked, so as to avoid damage to human body caused by falling off during the drilling process.</p> <p>On/off</p> <p>After power cord (12) is connected, press the start switch (10) to start motor rotation. Ensure power start switch in a disconnected state before turning on power to avoid damage to human body caused by uncontrollable tool when turning on power.</p> <p>Forward/reverse rotation</p> <p>Push forward/reverse rotation adjusting rod (8) when the motor is stopped, and adjust to the desired direction. Operate when the motor stops rotation to avoid damage to the use of machine.</p> <p>Speed control</p> <p>Turn speed knob (9) in "+" direction to increase rotating speed when the motor is stopped, and turn speed knob (9) in "-" direction to reduce rotating speed when the motor is stopped. Operate when the motor stops rotation to avoid damage to the use of machine.</p> <p>Gear key</p> <p>Turn gear key (3) of electric impact drill in "I" direction to stop gears of drilling and impact when the motor is stopped. Operate when the motor stops rotation to avoid damage to the use of machine.</p> <p>Use machine as stipulated</p> <p>Electric drill of this electric tool is matched with the</p>				
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印刷颜色	■ 黑色				版本	1.1(增加内容)
备注				日期		
批准	审核	校对	设计	潘雪莹		

品名	DL-CZ13-E5	货号	冲击电钻	零件名称	说明书																																																									
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<p>corresponding drill bit (drill bit is not provided with the machine) to perform normal drilling function on metal, wood, ceramics and plastics. Electric impact drill can perform normal drilling function on metal, wood, ceramics, plastics, concrete, brick wall and stone. Machines equipped with electronic adjusting device and forward/reverse rotation switch also enable turning in/out screw or tapping.</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Electric Impact Drill</th> <th>Electric Impact Drill</th> </tr> </thead> <tbody> <tr> <td>Cargo No.</td> <td>DL-CZ13-E5 DL-CZ13-E5-G</td> <td>DL-CZ13-E6 DL-CZ13-E6-G</td> </tr> <tr> <td>Specification</td> <td>Φ13mm</td> <td>Φ13mm</td> </tr> <tr> <td>Speed control</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Impact function</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Auxiliary handle</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Forward/reverse rotation function</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Active chuck</td> <td>Metal</td> <td>Metal</td> </tr> <tr> <td>Rated power</td> <td>650W</td> <td>820W</td> </tr> <tr> <td>Rated speed</td> <td>3000r/min</td> <td>3000r/min</td> </tr> <tr> <td>Insulation level</td> <td>Class II</td> <td>Class II</td> </tr> <tr> <td>Shock frequency</td> <td>48000 bpm</td> <td>48000 bpm</td> </tr> <tr> <td>Maximum drilling diameter</td> <td>Wood Φ30mm Steel Φ13mm Concrete Φ13mm</td> <td>Wood Φ35mm Steel Φ13mm Concrete Φ13mm</td> </tr> </tbody> </table> <p>Warning</p> <ol style="list-style-type: none"> Use safety glasses, preferably wear a mask in the event of lots of chips or dusts, and make sure to always wear goggles. Do not arbitrarily drill holes in machine parts during use to prevent electric leakage. When putting down electric drill after work, first confirm whether electric drill stops completely, otherwise it will damage other objects. In case of accidental damp, damage caused by falling or natural damage after long-term use, please hand it over to a professional for repair in time, and use only after passing inspection test. During use, ensure wind inlet and outlet of the machine is unblocked by debris to prevent from damaging the machine by heat. <p>5 Troubleshooting</p> <p>Repair and cleaning</p> <ol style="list-style-type: none"> Before repairing electric tool or replacing parts and accessories, make sure to unplug from the socket. Keep both electric tool and ventilation gap clean to improve work quality and safety. If dust cover is damaged, replace it immediately, and preferably entrust the customer service of our company to replace it. <p>Clean tool connector after completion of each operation.</p> <p>All electric tools of the company have undergone strict quality inspection. If the machine still fails, please deliver it to customer service authorized by the company for repair.</p> <p>When inquiring and ordering accessories, make sure to provide models of the machine parts.</p> <p>Waste disposal</p> <p>Recycle the damaged machine, accessories and waste packaging materials in an eco-friendly manner.</p> <p>Service and customer inquiry</p> <p>For relevant machine decomposition diagram, spare part data and other relevant warranty, repair or part replacement matters, please consult a qualified dealer.</p>		Name	Electric Impact Drill	Electric Impact Drill	Cargo No.	DL-CZ13-E5 DL-CZ13-E5-G	DL-CZ13-E6 DL-CZ13-E6-G	Specification	Φ13mm	Φ13mm	Speed control	Yes	Yes	Impact function	Yes	Yes	Auxiliary handle	Yes	Yes	Forward/reverse rotation function	Yes	Yes	Active chuck	Metal	Metal	Rated power	650W	820W	Rated speed	3000r/min	3000r/min	Insulation level	Class II	Class II	Shock frequency	48000 bpm	48000 bpm	Maximum drilling diameter	Wood Φ30mm Steel Φ13mm Concrete Φ13mm	Wood Φ35mm Steel Φ13mm Concrete Φ13mm	<p>4 Troubleshooting</p> <table border="1"> <thead> <tr> <th>Failures</th> <th>Causes</th> <th>Troubleshooting Methods</th> </tr> </thead> <tbody> <tr> <td>The motor does not rotate after the machine is powered on</td> <td>1. 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<table border="1"> <thead> <tr> <th>No</th> <th>Name</th> <th>QTY</th> </tr> </thead> <tbody> <tr><td>1</td><td>Screw M5 x 25 - left</td><td>1</td></tr> <tr><td>2</td><td>chuck 13mm</td><td>1</td></tr> <tr><td>3</td><td>Dust ring</td><td>1</td></tr> <tr><td>4</td><td>output shaft</td><td>1</td></tr> <tr><td>5</td><td>Semicyclicular key 10 x 3</td><td>1</td></tr> <tr><td>6</td><td>Bearing 6001</td><td>1</td></tr> <tr><td>7</td><td>Circlo for shaft 12</td><td>1</td></tr> <tr><td>8</td><td>Taper spring</td><td>1</td></tr> <tr><td>9</td><td>big gear</td><td>1</td></tr> <tr><td>10</td><td>688 bearing</td><td>1</td></tr> <tr><td>11</td><td>oil retaining ring</td><td>1</td></tr> <tr><td>12</td><td>Impact block</td><td>1</td></tr> <tr><td>13</td><td>Impact iron sheet</td><td>1</td></tr> <tr><td>14</td><td>Wood block</td><td>1</td></tr> <tr><td>15</td><td>608 bearing</td><td>2</td></tr> <tr><td>16</td><td>Armature</td><td>1</td></tr> <tr><td>17</td><td>Rubber collar x=8.5</td><td>1</td></tr> <tr><td>18</td><td>stator</td><td>1</td></tr> <tr><td>19</td><td>Motor housing-Left</td><td>1</td></tr> <tr><td>20</td><td>Motor housing-Right</td><td>1</td></tr> <tr><td>21</td><td>screw ST4 x16</td><td>8</td></tr> <tr><td>22</td><td>screw ST4 x16</td><td>1</td></tr> <tr><td>23</td><td>inductance</td><td>2</td></tr> <tr><td>24</td><td>Wood block</td><td>1</td></tr> <tr><td>25</td><td>screw ST3x10</td><td>4</td></tr> <tr><td>26</td><td>Carbon brush holder-Left</td><td>1</td></tr> <tr><td>27</td><td>Carbon brush holder-Right</td><td>1</td></tr> <tr><td>28</td><td>Carbon brush</td><td>2</td></tr> <tr><td>29</td><td>Coil spring</td><td>2</td></tr> <tr><td>30</td><td>switch</td><td>1</td></tr> <tr><td>31</td><td>Capacitance</td><td>1</td></tr> <tr><td>32</td><td>Wire plate</td><td>1</td></tr> <tr><td>33</td><td>screw ST6 x16</td><td>2</td></tr> <tr><td>34</td><td>Cord guard</td><td>1</td></tr> <tr><td>35</td><td>power cord</td><td>1</td></tr> <tr><td>36</td><td>External hexagon bolt M6 x100</td><td>1</td></tr> <tr><td>37</td><td>bracket</td><td>1</td></tr> <tr><td>38</td><td>Depth gauge</td><td>1</td></tr> <tr><td>39</td><td>Auxiliary handle</td><td>1</td></tr> <tr><td>40</td><td>Key</td><td>1</td></tr> </tbody> </table>		No	Name	QTY	1	Screw M5 x 25 - left	1	2	chuck 13mm	1	3	Dust ring	1	4	output shaft	1	5	Semicyclicular key 10 x 3	1	6	Bearing 6001	1	7	Circlo for shaft 12	1	8	Taper spring	1	9	big gear	1	10	688 bearing	1	11	oil retaining ring	1	12	Impact block	1	13	Impact iron sheet	1	14	Wood block	1	15	608 bearing	2	16	Armature	1	17	Rubber collar x=8.5	1	18	stator	1	19	Motor housing-Left	1	20	Motor housing-Right	1	21	screw ST4 x16	8	22	screw ST4 x16	1	23	inductance	2	24	Wood block	1	25	screw ST3x10	4	26	Carbon brush holder-Left	1	27	Carbon brush holder-Right	1	28	Carbon brush	2	29	Coil spring	2	30	switch	1	31	Capacitance	1	32	Wire plate	1	33	screw ST6 x16	2	34	Cord guard	1	35	power cord	1	36	External hexagon bolt M6 x100	1	37	bracket	1	38	Depth gauge	1	39	Auxiliary handle	1	40	Key	1	<p>DL-CZ13-E6</p> <p>Product Warranty Card</p> <p>Dear users :</p> <p>Thank you for buying our products. In order to ensure your profit, users who buy our products can contact local distributor or Specified repair stations with invoice and warranty cards if the product failures due to quality problems.</p> <p>Warranty Notice:</p> <p>1)From _____ (Year/Month/Day) to _____ (Year/Month/Day).</p> <p>If the failure happen in normal use, our company will provide free warranty parts replacement and other services according to the failure situation.</p> <p>2)This warranty card and purchase invoice are the voucher of after-sales service provided by our company to customers. The card must be dated solely after filling in the following form and affixing the official seal with the distributor.</p> <p>3)In one of the following cases, free warranty service will be invalid, and maintenance fees will be required:</p> <ol style="list-style-type: none"> Exceed the expiration date; Failure or damage caused by not following the requirements of the product manual, maintenance or improper storage; Failure or damage caused by disassembling, repairing or modification of the product without the permission of our company ; Machine breakdown or damage caused by force majeure; Consumable accessories. <p>This card is issued with the product. One card for one machine, to ensure that you can fully enjoy the right to free warranty service provided by the company, please keep this card properly, lost will not be replaced.</p> <p>Purchase Date: _____ (Year/Month/Day)</p>			
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品名	DL-CZ13-E5	货号	冲击电钻	零件名称	说明书	
DL-CZ13-E6						
<p>NINGBO DELHI TOOLS CO., LTD. No. 128 Chezhin West Road, Huangtong Town, Ninghai County, Ningbo, Zhejiang, China delhitoolsglobal@nddeli.com www.delhitoolsglobal.com +86 574 87562689 MADE IN CHINA</p>		<p>Product Certificate</p> <p>Inspector: _____ 01</p> <p>Date of manufacture: _____</p> <p>Reserved for service use</p> <p>Version: 1.0 Date: June., 2022</p>				
规格	148x210mm	材料及要求	骑马钉	封皮120g双胶纸, 里纸80g双胶纸	5	
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