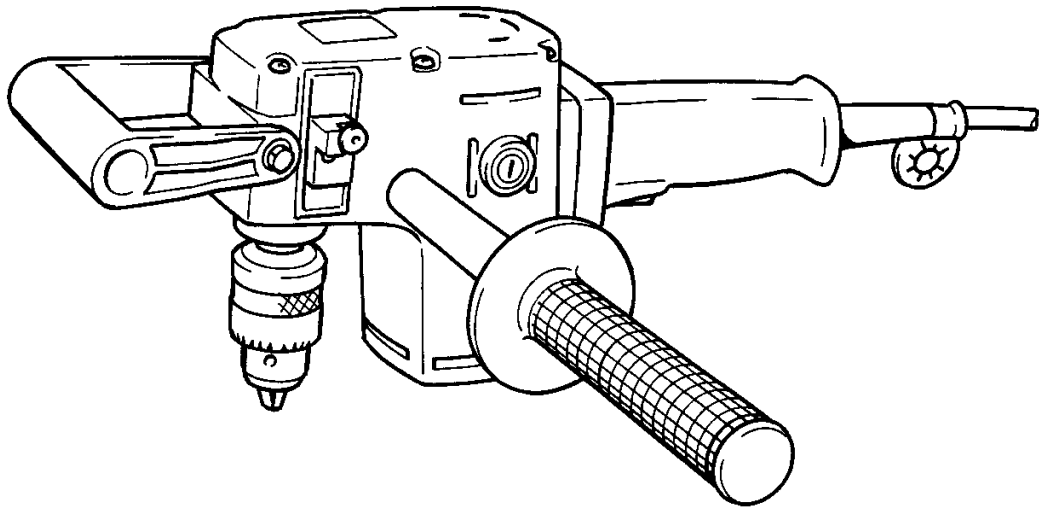
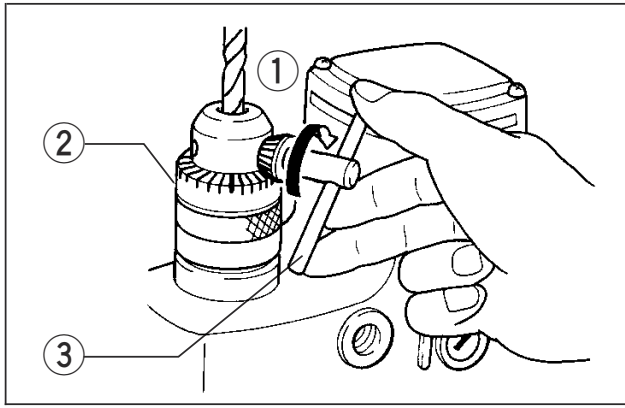


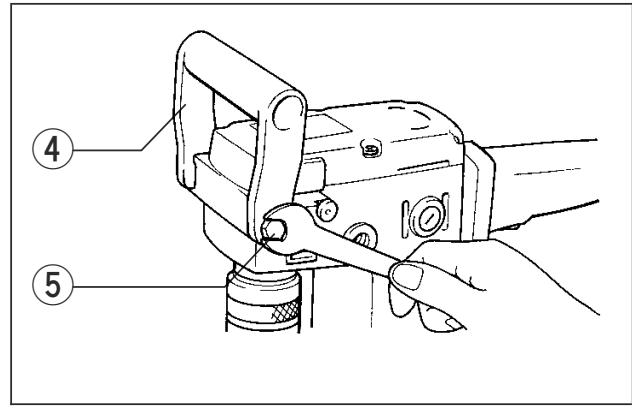
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F	Perceuse d'angle	Manuel d'instructions
D	Winkelbohrmaschine	Betriebsanleitung
I	Trapano ad angolo	Istruzioni per l'uso
NL	Haakse boormachine	Gebruiksaanwijzing
E	Taladro angular	Manual de instrucciones
P	Berbequim angular	Manual de instruções
DK	Vinkelboremaskine	Brugsanvisning
S	Vinkelborr	Bruksanvisning
N	Vinkelboremaskin	Bruksanvisning
SF	Kulmaporakone	Käyttöohje
GR	Γωνιακό τρυπάνι	Οδηγίες χρήσεως

DA6301

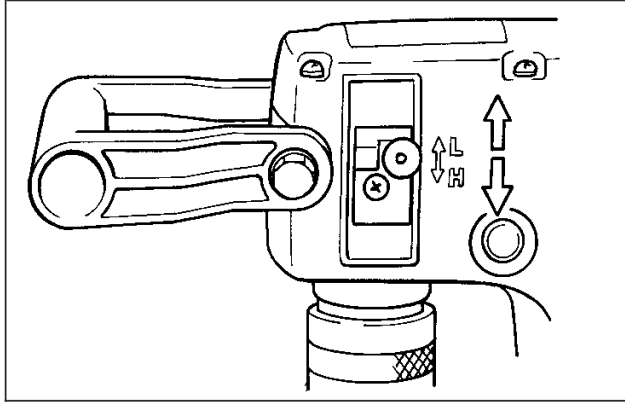




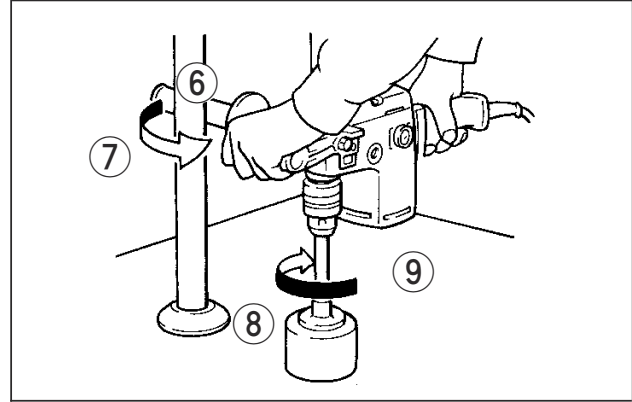
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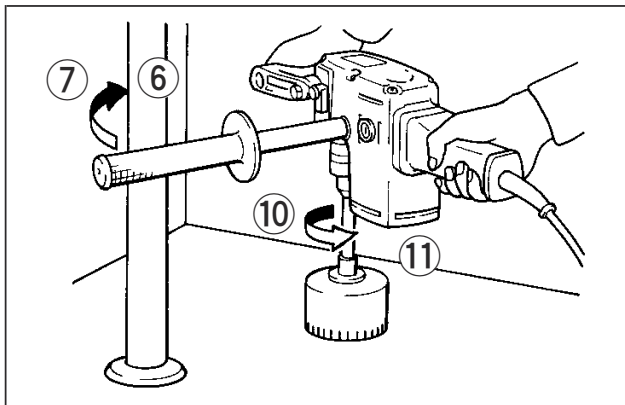
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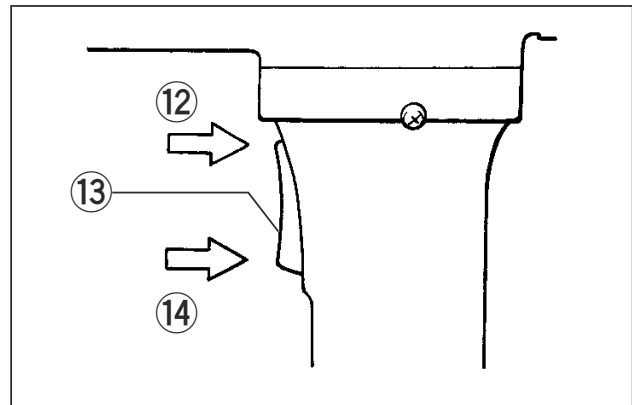
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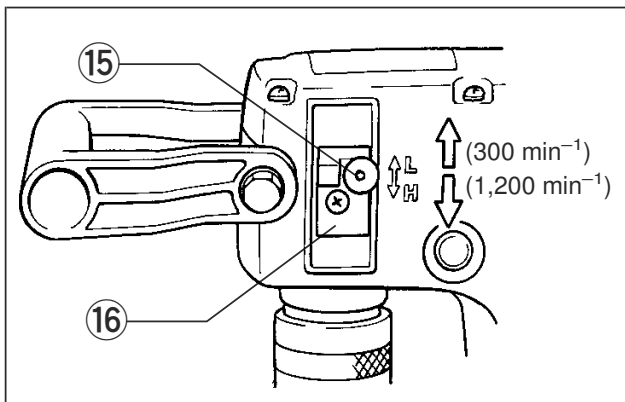
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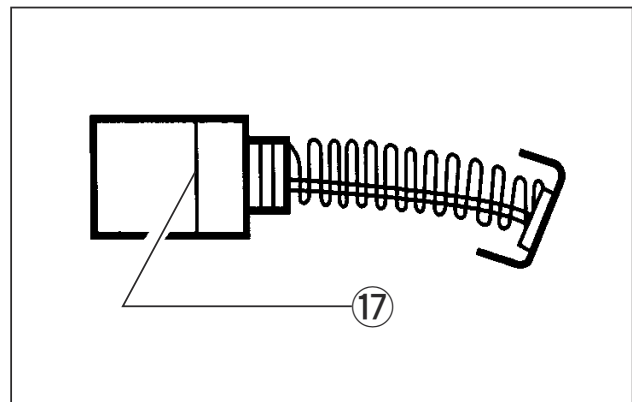
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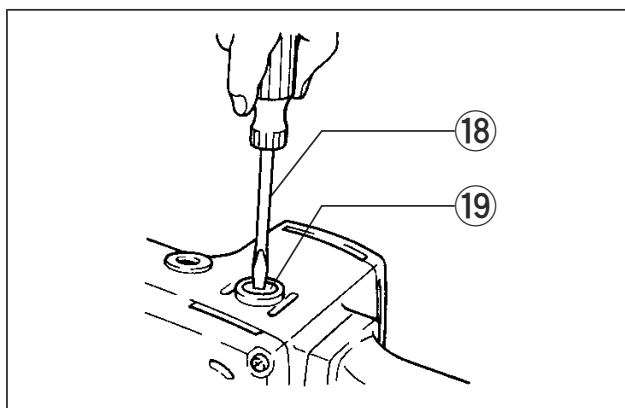
6



7



8



9

Symbols

The following show the symbols used for the tool. Be sure that you understand their meaning before use.

Symboles

Nous donnons ci-dessous les symboles utilisés pour l'outil. Assurez-vous que vous en avez bien compris la signification avant d'utiliser l'outil.

Symbole

Die folgenden Symbole werden für die Maschine verwendet. Machen Sie sich vor der Benutzung unbedingt mit ihrer Bedeutung vertraut.

Simboli

Per questo utensile vengono usati i simboli seguenti. Bisogna capire il loro significato prima di usare l'utensile.

Symbolen

Voor dit gereedschap worden de volgende symbolen gebruikt. Zorg ervoor dat u de betekenis van deze symbolen begrijpt alvorens het gereedschap te gebruiken.

Símbolos

A continuación se muestran los símbolos utilizados con esta herramienta. Asegúrese de que entienda su significado antes de usarla.

Símbolos

O seguinte mostra os símbolos utilizados para a ferramenta. Certifique-se de que compreende o seu significado antes da utilização.

Symboler

Nedenstående symboler er anvendt i forbindelse med denne maskine. Vær sikker på, at De har forstået symbolernes betydning, før maskinen anvendes.

Symboler

Det följande visar de symboler som används för den här maskinen. Se noga till att du förstår deras innebörd innan maskinen används.

Symbolene

Følgende viser de symbolene som brukes for maskinen. Det er viktig å forstå betydningen av disse før maskinen tas i bruk.

Symbolit

Alla on esitetty koneessa käytetyt symbolit. Opettele näiden merkitys, ennen kuin käytät konetta.

Σύμβολα

Τα ακόλουθα δείχνουν τα σύμβολα που χρησιμοποιούνται για το μηχάνημα. Βεβαιωθείτε ότι καταλαβαίνετε τη σημασία τους πριν από τη χρήση.



- Read instruction manual.
- Lire le mode d'emploi.
- Bitte Bedienungsanleitung lesen.
- Leggete il manuale di istruzioni.
- Lees de gebruiksaanwijzing.
- Lea el manual de instrucciones.

- Leia o manual de instruções.
- Læs brugsanvisningen.
- Läs bruksanvisningen.
- Les bruksanvisningen.
- Katso käyttöohjeita.
- Διαβάστε τις οδηγίες χρήσης.

ENGLISH

Explanation of general view

- | | | |
|--------------------|---|--------------------|
| ① Tighten | ⑧ Forward | ⑬ Switch |
| ② Chuck | ⑨ Drilling in forward bit turns clockwise | ⑭ Clockwise |
| ③ Chuck key | ⑩ Reverse | ⑮ Pin |
| ④ Spade grip | ⑪ Reversing bit turns counter-clockwise | ⑯ Slide button |
| ⑤ Hex. bolt | ⑫ Counterclockwise | ⑰ Limit mark |
| ⑥ Brace pipe here. | | ⑱ Screwdriver |
| ⑦ Reaction | | ⑲ Brush holder cap |

SPECIFICATIONS

Model

DA6301

Drilling capacities

Wood	
Auger-bit	High: 29 mm (1-1/8") Low: 38 mm (1-1/2")
Ship-auger-bit	High: 38 mm (1-1/2") Low: 38 mm (1-1/2")
Self-feed bit	High: 35 mm (1-3/8") Low: 118 mm (4-5/8")
Steel	High: 13 mm (1/2") Low: 13 mm (1/2")
No load speed (min ⁻¹)	High: 1,200 Low: 300
Overall length	330 mm (13")
Overall length (Extended spade grip)	410 mm (16-3/16")
Net weight	4.3 kg (9.5 lbs)

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Note: Specifications may differ from country to country.

Power supply

The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated in accordance with European Standard and can, therefore, also be used from sockets without earth wire.

Safety hints

For your own safety, please refer to the enclosed safety instructions.

ADDITIONAL SAFETY RULES

1. **Hold tool by insulated gripping surfaces when performing an operation where the cutting tools may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.**
2. **Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.**
3. **Hold the tool firmly.**
4. **Keep hands away from rotating parts.**
5. **Do not leave the tool running. Operate the tool only when hand-held.**

6. **Do not touch the drill bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.**
7. **PROPER GROUNDING. This tool should be grounded while in use to protect the operator from electric shock.**

SAVE THESE INSTRUCTIONS.

OPERATING INSTRUCTIONS

Installing or removing drill bit (Fig. 1)

CAUTION:

Always be sure that the tool is switched off and unplugged before installing or removing the bit.

To install the bit, place it in the chuck as far as it will go. Tighten the chuck by hand. Place the chuck key in each of the three holes and tighten clockwise. It is important to tighten the chuck with all three holes evenly. To remove the bit, turn the chuck key counterclockwise in just one hole, then loosen the chuck by hand.

Spade grip (Fig. 2 & 3)

The spade grip can be installed in either of the positions as shown in the figure. When changing the location of the spade grip from one position to the other, loosen the hex bolts with a wrench and turn the spade grip to another position. Then tighten the hex bolts securely.

Holding tool (Fig. 4 & 5)

CAUTION:

This is a powerful tool. High torque is developed and it is important that the tool be securely held and properly braced.

Grasp the switch handle with one hand and the spade grip with the other hand. When drilling a large hole with a hole saw, etc., the side grip (auxiliary handle) should be used as a brace to maintain safe control of the tool.

When drilling action is forward (clockwise), the tool should be braced to prevent a counterclockwise reaction if the bit should bind. When reversing, brace the tool to prevent a clockwise reaction. If the bit must be removed from a partially drilled hole, be sure the tool is properly braced before reversing.

Switch action (Fig. 6)

The switch is reversible, providing either clockwise or counterclockwise rotation. To start the tool, simply pull the lower part of the switch for clockwise, the upper part for counterclockwise. Release the switch to stop.

CAUTION:

- Before plugging in the tool, always check to see that the switch actuates properly and returns to the "OFF" position when released.
- Change the direction of rotation only when the tool comes to a complete stop. Changing it before the tool stops may damage the tool.

Speed change (Fig. 7)

To change the tool speed, pull the pin and slide the button to the desired position (High or Low). If the button does not slide easily, turn the chuck in either direction while sliding the button.

Drilling operation

- Drilling in wood
When drilling holes in the wood, use a wood drill with a guide screw. The guide screw makes it bore naturally by itself, so you do not need to apply any pressure to the tool.
- Drilling in metal
To prevent the bit from slipping when starting a hole, make an indentation with a center-punch and hammer at the point to be drilled. Place the point of the bit in the indentation and start drilling.

Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry.

CAUTION:

- Pressing excessively on the tool will not speed up the drilling. In fact, this excessive pressure will only serve to damage the tip of your bit, decrease the tool performance and shorten the service life of the tool.
- There is a tremendous force exerted on the tool/bit at the time of hole break through. Hold the tool firmly and exert care when the bit begins to break through the workpiece.
- Always grip the small workpiece firmly with a vise or a holding means.
- A stuck bit can be removed simply by setting the reversing switch to reverse rotation in order to back out. However, the tool will pull away easily unless you hold it firmly before starting the tool.

MAINTENANCE

CAUTION:

Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

Replacing carbon brushes (Fig. 8 & 9)

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

To maintain product safety and reliability, repairs, maintenance or adjustment should be carried out by a Makita Authorized Service Center.

GUARANTEE

We guarantee Makita tools in accordance with statutory/country-specific regulations. Damage attributable to normal wear and tear, overload or improper handling will be excluded from the guarantee. In case of complaint, please send the tool, undismantled, with the enclosed GUARANTEE CERTIFICATE, to your dealer or the Makita Service Center.