



GB Drywall Screwdriver

Instruction manual

ID Obeng Listrik Tembok Kering

Petunjuk penggunaan

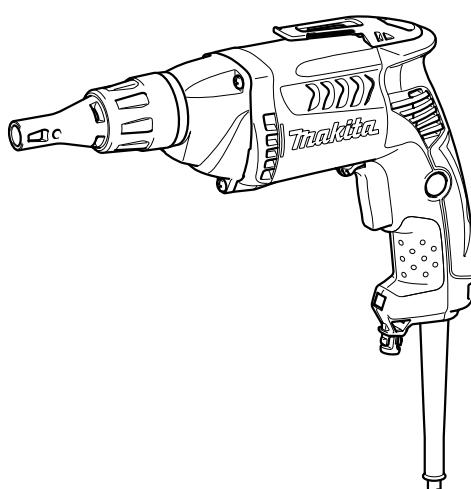
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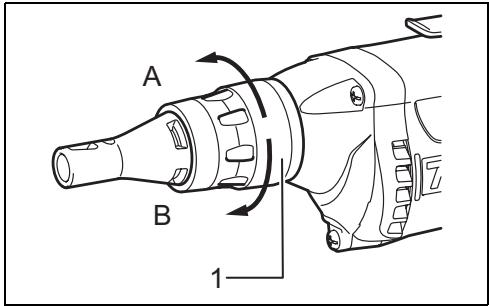
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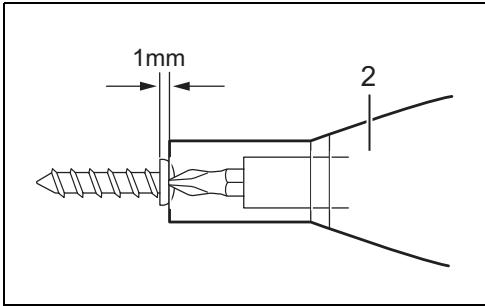
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FS2300**





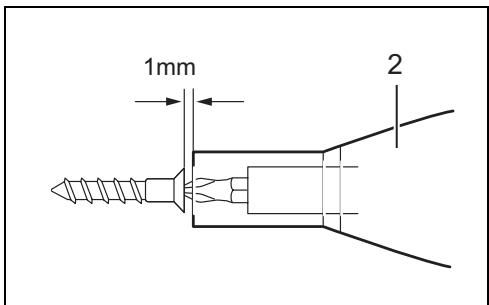
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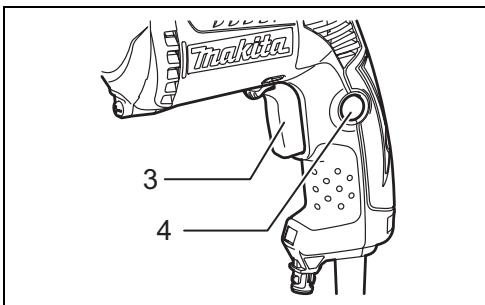
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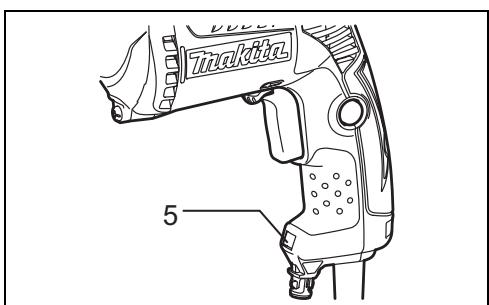
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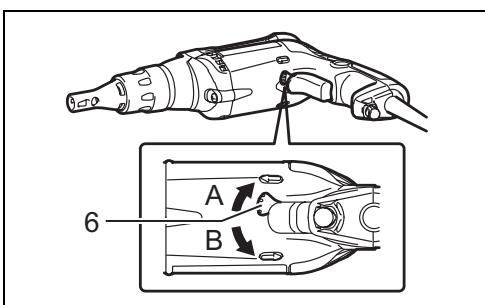
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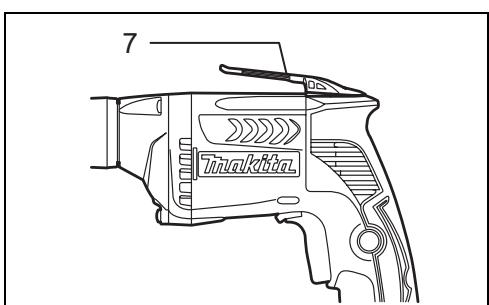
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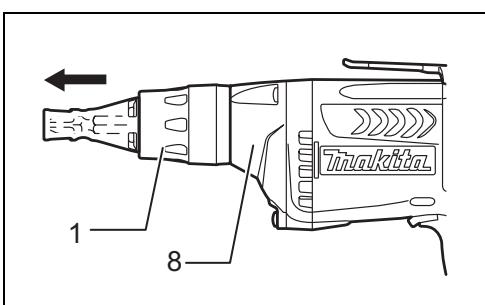
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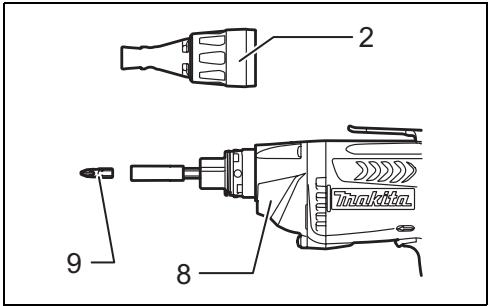
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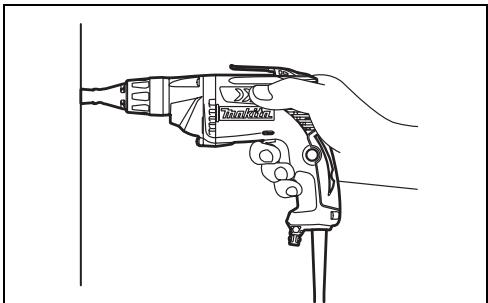
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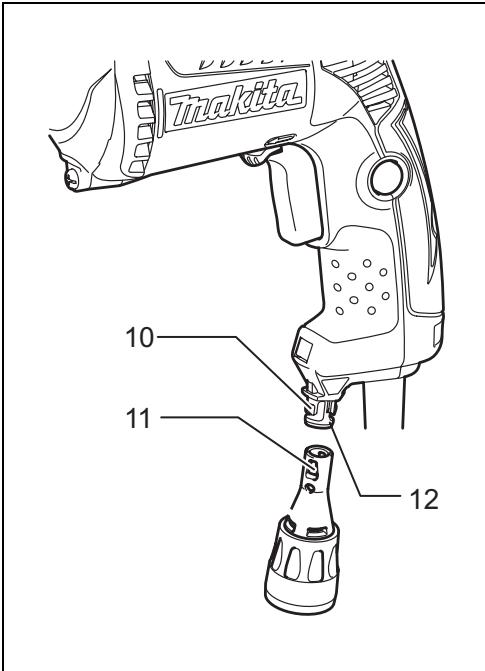
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Explanation of general view

- | | | |
|-------------------|---------------------------|-----------------------|
| 1. Lock ring | 5. Lamp | 9. Bit |
| 2. Locator | 6. Reversing switch lever | 10. Swells |
| 3. Switch trigger | 7. Hook | 11. Trapezoidal holes |
| 4. Lock button | 8. Gear housing | 12. Locator holder |

SPECIFICATIONS

Model		FS2200	FS2300
Capacities	Self drilling screw	6 mm	6 mm
	Drywall screw	5 mm	5 mm
No load speed (min ⁻¹)		0 - 2,500	0 - 2,500
Overall length		287 mm	290 mm
Net weight		1.6 kg	1.6 kg
Safety class		<input checked="" type="checkbox"/> /II	

- Due to our continuing programme of research and development, the specifications herein are subject to change without notice.
- Note: Specifications may differ from country to country.
- Weight according to EPTA-Procedure 01/2003

END201-4

Symbols

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



..... Read instruction manual.



..... DOUBLE INSULATION

ENE033-1

Intended use

The tool is intended for screw driving in wood, metal and plastic.

ENF002-1

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.

GEA005-2

**General Power Tool Safety
Warnings**

⚠ WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**Save all warnings and
instructions for future reference.**

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

4. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
5. **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord.** Never use the cord for carrying, pulling or unplugging the power tool. **Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

8. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
9. If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of an GFCI reduces the risk of electric shock.

Personal safety

10. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
11. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
12. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
13. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
14. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
15. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
16. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

Power tool use and care

17. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
18. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
19. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
20. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

21. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
22. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
23. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

Service

24. Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.
25. Follow instruction for lubricating and changing accessories.
26. Keep handles dry, clean and free from oil and grease.

GEB017-2

SPECIFIC SAFETY RULES

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to screwdriver safety rules. If you use this power tool unsafely or incorrectly, you can suffer serious personal injury.

1. Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring or its own cord. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
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 touch the bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.

SAVE THESE INSTRUCTIONS.

⚠ WARNING:

MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

FUNCTIONAL DESCRIPTION

⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

Depth adjustment

The depth can be adjusted by turning the lock ring. Turn it in "B" direction for less depth and in "A" direction for more depth. One full turn of the lock ring equals 1.5 mm change in depth. (Fig. 1)

Adjust the lock ring so that the distance between the tip of the locator and the screw head is approximately 1 mm as shown in the figures. Drive a trial screw into your material or a piece of duplicate material. If the depth is still not suitable for the screw, continue adjusting until you obtain the proper depth setting. (Fig. 2 & Fig. 3)

Switch action (Fig. 4)

⚠ CAUTION:

- Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To start the tool, simply pull the switch trigger. Release the switch trigger to stop.

For continuous operation, pull the switch trigger and then push in the lock button.

To stop the tool from the locked position, pull the switch trigger fully, then release it.

NOTE:

- Even with the switch on and motor running, the bit will not rotate until you fit the point of the bit in the screw head and apply forward pressure to engage the clutch.

Lighting up the lamps (Fig. 5)

⚠ CAUTION:

- Do not look in the light or see the source of light directly.

To turn on the lamp, pull the trigger. Release the trigger to turn it off.

NOTE:

- Use a dry cloth to wipe the dirt off the lens of lamp. Be careful not to scratch the lens of lamp, or it may lower the illumination.

Reversing switch action (Fig. 6)

⚠ CAUTION:

- Always check the direction of rotation before operation.
- Use the reversing switch only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.

This tool has a reversing switch to change the direction of rotation. Move the reversing switch lever to the ⇄ position (A side) for clockwise rotation or the ⇒ position (B side) for counterclockwise rotation.

Hook (Fig. 7)

The hook is convenient for temporarily hanging the tool.

ASSEMBLY

⚠ CAUTION:

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

Installing or removing the bit

To remove the bit, first remove the locator by pulling the lock ring away from the gear housing. (Fig. 8)

Grasp the bit with a pair of pliers and pull the bit out of the magnetic bit holder. Sometimes, it helps to wiggle the bit with the pliers as you pull.

To install the bit, push it firmly into the magnetic bit holder. Then install the locator by pushing it firmly back onto the gear housing. (Fig. 9)

Use of locator holder (Fig. 10)

The locator can be temporarily held on the locator holder during replacing bit or using without locator. To hold the locator, position the trapezoidal holes of the locator on the swells of the locator holder and push it in.

OPERATION

Fit the screw on the point of the bit and place the point of the screw on the surface of the workpiece to be fastened. Apply pressure to the tool and start it. Withdraw the tool as soon as the clutch cuts in. Then release the switch trigger. (Fig. 11)

⚠ CAUTION:

- When fitting the screw onto the point of the bit, be careful not to push in on the screw. If the screw is pushed in, the clutch will engage and the screw will rotate suddenly. This could damage a workpiece or cause an injury.
- Make sure that the bit is inserted straight in the screw head, or the screw and/or bit may be damaged.
- Hold the tool only by the handle when performing an operation. Do not touch the metal part.

MAINTENANCE

⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, carbon brush inspection and replacement, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

OPTIONAL ACCESSORIES

⚠ CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Phillips Insert bits
- Magnetic bit holder
- Locator

NOTE:

- Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

Penjelasan tampilan keseluruhan

- | | | |
|--------------------|------------------------------|-----------------------|
| 1. Cincin pengunci | 5. Lampu | 9. Mata mesin |
| 2. Penepat | 6. Tuas saklar pembalik arah | 10. Tonjolan |
| 3. Picu saklar | 7. Kait | 11. Lubang trapesium |
| 4. Tombol kunci | 8. Rumahan gir | 12. Gantungan penepat |
-

SPESIFIKASI

Model		FS2200	FS2300
Kapasitas	Sekrup menakik sendiri	6 mm	6 mm
	Sekrup papan semen	5 mm	5 mm
Kecepatan tanpa beban (min^{-1})		0 - 2.500	0 - 2.500
Panjang keseluruhan		287 mm	290 mm
Berat bersih		1,6 kg	1,6 kg
Kelas keamanan		<input checked="" type="checkbox"/> /II	

- Karena kesinambungan program penelitian dan pengembangan kami, spesifikasi yang disebutkan di sini dapat berubah tanpa pemberitahuan.
- Catatan: Spesifikasi dapat berbeda dari satu negara ke negara lainnya.
- Berat menurut Prosedur EPTA 01/2003

END201-4

Simbol

Berikut ini adalah simbol-simbol yang digunakan pada peralatan ini. Pastikan Anda mengerti makna masing-masing simbol sebelum menggunakan alat.



..... Baca petunjuk penggunaan.



..... ISOLASI GANDA

ENE033-1

Penggunaan

Mesin ini digunakan untuk memasang sekrup pada kayu, logam dan plastik.

ENF002-1

Pasokan daya

Mesin harus terhubung dengan pasokan daya listrik yang bervoltase sama dengan yang tertera pada pelat nama, dan hanya dapat dijalankan dengan listrik AC fase tunggal. Mesin diisolasi ganda sesuai Standard Eropa dan oleh sebab itu dapat dihubungkan dengan soket tanpa arde.

GEA005-2

**Peringatan Keselamatan Umum
Mesin Listrik**

⚠ PERINGATAN! Bacalah semua peringatan keselamatan dan semua petunjuk. Kelalaian mematuhi peringatan dan petunjuk dapat menyebabkan sengatan listrik, kebakaran dan/atau cedera serius.

Simpanlah semua peringatan dan petunjuk untuk acuan di masa depan

Istilah "mesin listrik" dalam semua peringatan mengacu pada mesin listrik yang dijalankan dengan sumber listrik jala-jala (berkabel) atau baterai (tanpa kabel).

Keselamatan tempat kerja

1. **Jaga tempat kerja selalu bersih dan berpengerangan cukup.** Tempat kerja yang berantakan dan gelap mengundang kecelakaan.
2. **Jangan gunakan mesin listrik dalam lingkungan yang mudah meledak, misalnya jika ada cairan, gas, atau debu yang mudah menyala.** Mesin listrik menimbulkan bunga api yang dapat menyalaikan debu atau uap tersebut.
3. **Jauhkan anak-anak dan orang lain saat menggunakan mesin listrik.** Bila perhatian terpecah, anda dapat kehilangan kendali.

Keamanan kelistrikan

4. **Steker mesin listrik harus cocok dengan stopkontak.** Jangan sekali-kali mengubah steker dengan cara apa pun. Jangan menggunakan steker adaptor dengan mesin listrik bererde (dibumikan). Steker yang tidak diubah dan stopkontak yang cocok akan mengurangi risiko sengatan listrik.
5. **Hindari sentuhan tubuh dengan permukaan bererde atau yang dibumikan seperti pipa, radiator, kompor, dan kulkas.** Risiko sengatan listrik bertambah jika tubuh Anda terbumikan atau terarde.
6. **Jangan membiarkan mesin listrik kehujanan atau kebasahan.** Air yang masuk ke dalam mesin listrik akan meningkatkan risiko sengatan listrik.

- Jangan menyalahgunakan kabel. Jangan sekali-kali menggunakan kabel untuk membawa, menarik, atau mencabut mesin listrik dari stopkontak. Jauhkan kabel dari panas, minyak, tepian tajam, atau bagian yang bergerak. Kabel yang rusak atau kusut memperbesar risiko sengatan listrik.**
- Bila menggunakan mesin listrik di luar ruangan, gunakan kabel ekstensi yang sesuai untuk penggunaan di luar ruangan.** Penggunaan kabel yang sesuai untuk penggunaan luar ruangan mengurangi risiko sengatan listrik.
- Jika mengoperasikan mesin listrik di lokasi lembap tidak terhindarkan, gunakan pasokan daya yang dilindungi pemutus rangkaian salah arde (ground fault circuit interrupter - GFCI).** Penggunaan GFCI mengurangi risiko sengatan listrik.

Keselamatan diri

- Jaga kewaspadaan, perhatikan pekerjaan Anda dan gunakan akal sehat bila menggunakan mesin listrik. Jangan menggunakan mesin listrik saat Anda lelah atau di bawah pengaruh obat bius, alkohol, atau obat. Sekejap saja lalai saat menggunakan mesin listrik dapat menyebabkan cedera diri yang serius.**
- Gunakan alat pelindung diri. Selalu gunakan pelindung mata.** Peralatan pelindung seperti masker debu, sepatu pengaman anti-selip, helm pengaman, atau pelindung telinga yang digunakan untuk kondisi yang sesuai akan mengurangi risiko cedera diri.
- Cegah penyalaman yang tidak disengaja. Pastikan bahwa sakelar berada dalam posisi mati (off) sebelum menghubungkan mesin ke sumber daya dan/atau baterai, mengangkat atau membawanya.** Membawa mesin listrik dengan jari Anda pada sakelarnya atau mengalirkan listrik pada mesin listrik yang sakelarnya hidup (on) akan mengundang kecelakaan.
- Lepaskan kunci-kunci penyetel sebelum menghidupkan mesin listrik.** Kunci-kunci yang masih terpasang pada bagian mesin listrik yang berputar dapat menyebabkan cedera.
- Jangan meraih terlalu jauh. Jagalah pijakan dan keseimbangan sepanjang waktu.** Hal ini memungkinkan kendali yang lebih baik atas mesin listrik dalam situasi yang tidak diharapkan.
- Kenakan pakaian dengan baik. Jangan memakai pakaian yang kedodoran atau perhiasan. Jaga jarak antara rambut, pakaian, dan sarung tangan Anda dengan bagian mesin yang bergerak.** Pakaian kedodoran, perhiasan, atau rambut panjang dapat tersangkut pada bagian yang bergerak.
- Jika tersedia fasilitas untuk menghisap dan mengumpulkan debu, pastikan fasilitas tersebut terhubung listrik dan digunakan dengan baik.** Penggunaan pembersih debu dapat mengurangi bahaya yang terkait dengan debu.

Penggunaan dan pemeliharaan mesin listrik

- Jangan memaksa mesin listrik. Gunakan mesin listrik yang tepat untuk keperluan Anda.** Mesin listrik yang tepat akan menuntaskan pekerjaan dengan lebih baik dan aman pada kecepatan sesuai rancangannya.
- Jangan gunakan mesin listrik jika sakelar tidak dapat menyalakan dan mematikannya.** Mesin listrik yang tidak dapat dikendalikan dengan sakelarnya adalah berbahaya dan harus diperbaiki.
- Cabut steker dari sumber listrik dan/atau baterai dari mesin listrik sebelum melakukan penyetelan, penggantian aksesoris, atau menyimpan mesin listrik.** Langkah keselamatan preventif tersebut mengurangi risiko hidupnya mesin secara tak sengaja.
- Simpan mesin listrik jauh dari jangkauan anak-anak dan jangan biarkan orang yang tidak paham mengenai mesin listrik tersebut atau petunjuk ini menggunakan mesin listrik.** Mesin listrik sangat berbahaya di tangan pengguna yang tak terlatih.
- Rawatlah mesin listrik.** Periksa apakah ada bagian bergerak yang tidak lurus atau macet, bagian yang pecah dan kondisi lain yang dapat mempengaruhi penggunaan mesin listrik. Jika rusak, perbaiki dahulu mesin listrik sebelum digunakan. Banyak kecelakaan disebabkan oleh kurangnya pemeliharaan mesin listrik.
- Jaga agar mesin pemotong tetap tajam dan bersih.** Mesin pemotong yang terawat baik dengan mata pemotong yang tajam tidak mudah macet dan lebih mudah dikendalikan.
- Gunakan mesin listrik, aksesoris, dan mata mesin, dll. sesuai dengan petunjuk ini, dengan memperhitungkan kondisi kerja dan jenis pekerjaan yang dilakukan.** Penggunaan mesin listrik untuk penggunaan yang lain dari peruntukan dapat menimbulkan situasi berbahaya.

Servis

- Berikan mesin listrik untuk diperbaiki hanya kepada teknisi yang berkualifikasi dengan menggunakan hanya suku cadang pengganti yang serupa.** Hal ini akan menjamin terjaganya keamanan mesin listrik.
- Patuhi petunjuk pelumasan dan penggantian aksesoris.**
- Jagalah agar gagang kering, bersih, dan bebas dari minyak dan gemuk.**

GEB017-2

ATURAN KESELAMATAN KHUSUS

JANGAN biarkan kenyamanan atau terbiasanya Anda dengan produk (karena penggunaan berulang) mengantikan kepatuhan yang ketat terhadap aturan keselamatan untuk obeng listrik. Jika Anda menggunakan mesin listrik ini secara tidak aman atau tidak benar, Anda bisa mengalami cedera badan serius.

- Pegang mesin listrik pada permukaan genggam yang terisolasi saat melakukan pekerjaan bila pengencang mungkin bersentuhan dengan kawat tersembunyi atau kabelnya sendiri.** Pengencang yang menyentuh kawat "hidup" dapat menyebabkan bagian logam pada mesin teraliri arus listrik dan menyengat pengguna.

2. Selalu pastikan Anda berada di atas alas yang kuat.
Pastikan tidak ada orang di bawahnya bila Anda menggunakan mesin di tempat yang tinggi.
3. Pegang mesin kuat-kuat.
4. Jauhkan tangan dari bagian yang berputar.
5. Jangan menyentuh mata mesin atau benda kerja segera setelah pengoperasian; suhunya mungkin masih sangat panas dan dapat membakar kulit Anda.

SIMPAN PETUNJUK INI.

⚠ PERINGATAN:

PENYALAHGUNAAN atau kelalaian mematuhi kaidah keselamatan yang tertera dalam petunjuk ini dapat menyebabkan cedera badan serius.

DESKRIPSI FUNGSI

⚠ PERHATIAN:

- Pastikan bahwa mesin dalam keadaan mati dan steker tercabut sebelum menyetel atau memeriksa kerja mesin.

Penyetelan kedalaman

Kedalaman bisa disetel dengan memutar cincin pengunci. Putar ke arah "B" untuk mengurangi kedalaman dan ke arah "A" untuk menambah kedalaman. Satu putaran penuh cincin pengunci sama dengan mengubah kedalamannya sebesar 1,5 mm. (Gb. 1)

Setel cincin pengunci sehingga jarak antara ujung penepat dan kepala sekrup kira-kira 1 mm seperti ditunjukkan dalam gambar. Pasang sekrup percobaan pada bahan atau potongan bahan lain. Jika kedalamannya masih tidak sesuai dengan sekrup, lanjutkan penyetelan sampai setelan kedalaman yang tepat. (Gb. 2 & Gb. 3)

Kerja saklar (Gb. 4)

⚠ PERHATIAN:

- Sebelum memasukkan steker, pastikan picu saklar berfungsi dengan baik dan kembali ke posisi "OFF" saat dilepas.

Untuk menjalankan mesin, cukup tarik picu saklarnya. Kecepatan mesin akan meningkat dengan menambah tekanan pada picu saklar. Lepaskan picu saklar untuk berhenti.

Untuk penggunaan terus-menerus, tarik picu saklar dan kemudian tekan tombol kunci.

Untuk membebaskan posisi terkunci, tarik picu saklar sampai penuh, lalu lepaskan.

CATATAN:

- Walaupun kondisinya menyala dan motor dalam keadaan hidup, mata mesin tidak akan berputar sampai Anda menempatkan ujung mata mesin pada kepala sekrup dan menekan maju mesin untuk menjalankan kopeling.

Menyalakan lampu (Gb. 5)

⚠ PERHATIAN:

- Jangan melihat lampu atau sumber cahaya secara langsung.
- Untuk menyalakan lampu, tarik picu saklar. Lepaskan picu untuk mematikannya.

CATATAN:

- Gunakan kain kering untuk mengelap kotoran dari lensa lampu. Hati-hati jangan sampai menggores lensa lampu, atau hal tersebut dapat menurunkan tingkat penerangannya.

kerja saklar pembalik arah (Gb. 6)

⚠ PERHATIAN:

- Selalu periksa arah putaran sebelum penggunaan.
- Gunakan saklar pembalik arah hanya setelah mesin berhenti penuh. Mengubah arah putaran sebelum mesin berhenti dapat merusak mesin.

Mesin ini memiliki saklar pembalik arah untuk mengubah arah putaran. Gerakkan tuas saklar pembalik arah ke posisi ⇡ (sisi A) untuk putaran searah jarum jam atau posisi ⇒ (sisi B) untuk putaran berlawanan arah jarum jam.

Kait (Gb. 7)

Kait bisa digunakan untuk menggantung mesin sementara.

PERAKITAN

⚠ PERHATIAN:

- Pastikan bahwa mesin dalam keadaan mati dan steker tercabut sebelum melakukan pekerjaan apapun pada mesin.

Memasang atau melepas mata mesin

Untuk melepas mata mesin, pertama-tama lepas penepat dengan menarik cincin pengunci keluar dari rumahan gir. (Gb. 8)

Jepit mata mesin dengan tang dan tarik mata mesin keluar dari penahan mata mesin magnetik. Terkadang perlu sedikit mengoyang-goyangkan mata mesin dengan tang ketika Anda menariknya.

Untuk memasang mata mesin, dorong kuat-kuat ke dalam penahan mata mesin magnetik. Kemudian pasang penepat dengan mendorongnya kuat-kuat pada rumahan gir. (Gb. 9)

Penggunaan gantungan penepat (Gb. 10)

Penepat bisa digantung sementara pada gantungan penepat selama mengganti mata mesin atau menggunakan mesin tanpa penepat. Untuk menggantung penepat, posisikan lubang trapesium penepat pada tonjolan gantungan penepat lalu dorong sampai masuk.

PENGGUNAAN

Pasang sekrup pada ujung mata mesin dan posisikan ujung sekrup pada permukaan benda kerja yang akan dikencangkan. Beri tekanan pada mesin lalu nyalakan. Tarik mesin segera setelah kopeling memotong. Kemudian lepas picu saklar. (Gb. 11)

⚠ PERHATIAN:

- Ketika memasang sekrup pada ujung mata mesin, hati-hati jangan sampai mendorong sekrup ke dalam. Jika sekrup terdorong ke dalam, kopeling akan bekerja dan sekrup akan berputar secara tiba-tiba. Hal ini bisa merusak benda kerja atau menyebabkan luka.
- Pastikan bahwa mata mesin dimasukkan lurus terhadap kepala sekrup, atau sekrup dan/atau mata mesin bisa rusak.
- Pegang mesin hanya pada pegangannya saat melakukan pekerjaan. Jangan menyentuh bagian logamnya.

PERAWATAN

⚠ PERHATIAN:

- Selalu pastikan bahwa mesin dimatikan dan steker dicabut sebelum melakukan pemeriksaan atau perawatan.

Untuk menjaga KEAMANAN dan KEANDALAN mesin, perbaikan, pemeriksaan dan penggantian sikat karbon, serta perawatan atau penyetelan lain harus dilakukan oleh Pusat Layanan Resmi Makita, selalu gunakan suku cadang pengganti buatan Makita.

PILIHAN AKSESORI

⚠ PERHATIAN:

- Dianjurkan untuk menggunakan aksesorai atau perangkat tambahan ini dengan mesin Makita Anda yang ditentukan dalam petunjuk ini. Penggunaan aksesorai atau perangkat tambahan lain bisa menyebabkan risiko cedera pada manusia. Hanya gunakan aksesorai atau perangkat tambahan sesuai dengan peruntukkannya.

Jika Anda memerlukan bantuan lebih rinci berkenaan dengan aksesorai ini, tanyakan pada Pusat Layanan Makita terdekat.

- Mata mesin benam Phillips
- Penahan mata mesin magnetik
- Penepat

CATATAN:

- Beberapa item dalam daftar tersebut mungkin sudah termasuk dalam paket mesin sebagai aksesoris standar. Hal tersebut dapat berbeda dari satu negara ke negara lainnya.

Giải thích về hình vẽ tổng thể

- | | | |
|---------------------------|---------------------------|--------------------------|
| 1. Vòng khóa | 5. Đèn | 9. Đầu mũi |
| 2. Đầu định vị | 6. Cần còng tắc đảo chiều | 10. Gờ nhô |
| 3. Cần còng tắc khởi động | 7. Móc treo | 11. Lỗ hình thang |
| 4. Nút khóa | 8. Võ hộp số | 12. Phần giữ đầu định vị |

THÔNG SỐ KỸ THUẬT

Kiểu		FS2200	FS2300
Công suất	Vít tự khoan	6 mm	6 mm
	Vít khoan tường khô	5 mm	5 mm
Tốc độ không tải (phút ⁻¹)		0 - 2.500	0 - 2.500
Chiều dài tổng thể		287 mm	290 mm
Trọng lượng tịnh		1,6 kg	1,6 kg
Cấp độ an toàn		<input type="checkbox"/> /II	

- Do chương trình nghiên cứu và phát triển liên tục của chúng tôi nên các thông số kỹ thuật trong đây có thể thay đổi mà không cần thông báo trước.
- Lưu ý: Các thông số kỹ thuật có thể thay đổi tùy theo từng quốc gia.
- Trọng lượng tùy theo Quy trình EPTA tháng 01/2003

END201-4

Ký hiệu

Phần dưới đây cho biết các ký hiệu được dùng cho thiết bị. Đảm bảo rằng bạn hiểu rõ ý nghĩa của các ký hiệu này trước khi sử dụng.



..... Đọc tài liệu hướng dẫn.



..... CÁCH ĐIỆN KÉP

ENE033-1

Mục đích sử dụng

Dụng cụ này dùng để bắt vít vào gỗ, kim loại và nhựa.

ENF002-1

Nguồn cấp điện

Dụng cụ này chỉ được nối với nguồn cấp điện có điện áp giống như đã chỉ ra trên biển tên và chỉ có thể được vận hành trên nguồn điện AC một pha. Chúng được cách điện hai lớp theo Tiêu chuẩn Châu Âu và do đó cũng có thể được sử dụng từ các ổ cắm điện không có dây tiếp đất.

GEA005-2

Cảnh báo An toàn Chung dành cho Dụng cụ Máy

⚠ CÀNH BÁO! Đọc tất cả các cảnh báo an toàn và hướng dẫn. Việc không tuân theo các cảnh báo và hướng dẫn có thể dẫn đến điện giật, hỏa hoạn và/hoặc thương tích nghiêm trọng.

Lưu giữ tất cả cảnh báo và hướng dẫn để tham khảo sau này.

Thuật ngữ “dụng cụ máy” trong các cảnh báo đề cập đến dụng cụ máy (có dây) được vận hành bằng nguồn điện chính hoặc dụng cụ máy (không dây) được vận hành bằng pin của bạn.

An toàn tại nơi làm việc

- Giữ nơi làm việc sạch sẽ và có đủ ánh sáng.** Nơi làm việc bừa bộn hoặc tối thường dễ gây ra tai nạn.
- Không vận hành dụng cụ máy trong môi trường cháy nổ,** ví dụ như môi trường có sự hiện diện của các chất lỏng, khí hoặc bụi dễ cháy. Các dụng cụ máy tạo tia lửa điện có thể làm bụi hoặc khí bốc cháy.
- Giữ trẻ em và người ngoài trán xa nơi làm việc khi đang vận hành dụng cụ máy.** Sự xao lảng có thể khiến bạn mất khả năng kiểm soát.

An toàn về điện

- Phích cắm của dụng cụ máy phải khớp với ổ cắm.** Không bao giờ được sửa đổi phích cắm theo bất kỳ cách nào. Không sử dụng bất kỳ phích chuyên đổi nào với các dụng cụ máy được nối đất (tiếp đất). Các phích cắm còn nguyên vẹn và ổ cắm phù hợp sẽ giảm nguy cơ điện giật.
- Tránh để cơ thể tiếp xúc với các bệ mặt nối đất hoặc tiếp đất như đường ống, bộ tản nhiệt, bể ga và tủ lạnh.** Nguy cơ bị điện giật sẽ tăng lên nếu cơ thể bạn được nối đất hoặc tiếp đất.
- Không để dụng cụ máy tiếp xúc với mưa hoặc trong điều kiện ẩm ướt.** Nước lọt vào dụng cụ máy sẽ làm tăng nguy cơ điện giật.
- Không sử dụng dây cáp điện sai mục đích.** Không bao giờ sử dụng dây để mang, kéo hoặc tháo phích cắm dụng cụ máy. Giữ dây tránh xa nguồn nhiệt, dầu, các mép sắc hoặc các bộ phận chuyển

- động.** Dây bị hỏng hoặc bị rối sẽ làm tăng nguy cơ điện giật.
8. **Khi vận hành dụng cụ máy ngoài trời, hãy sử dụng dây kéo dài phù hợp cho việc sử dụng ngoài trời.** Việc dùng dây phù hợp cho việc sử dụng ngoài trời sẽ giảm nguy cơ điện giật.
 9. **Nếu bắt buộc phải vận hành dụng cụ máy ở nơi ẩm ướt, hãy sử dụng nguồn điện có bộ ngắt mạch nối đất khi rò điện (GFCI).** Việc sử dụng GFCI sẽ giảm nguy cơ điện giật.
- An toàn cá nhân**
10. **Luôn tinh táo, quan sát những việc bạn đang làm và sử dụng những phán đoán theo kinh nghiệm khi vận hành dụng cụ máy. Không sử dụng dụng cụ máy khi bạn đang mệt mỏi hoặc chịu ảnh hưởng của ma túy, rượu hay thuốc.** Chỉ một khoảnh khắc không tập trung khi đang vận hành dụng cụ máy cũng có thể dẫn đến thương tích cá nhân nghiêm trọng.
 11. **Sử dụng thiết bị bảo hộ cá nhân. Luôn đeo thiết bị bảo vệ mắt.** Các thiết bị bảo hộ như mặt nạ chống bụi, giày an toàn chống trượt, mũ bảo hộ hay thiết bị bảo vệ thính giác được sử dụng trong các điều kiện thích hợp sẽ giúp giảm thương tích cá nhân.
 12. **Tránh vô tình khởi động dụng cụ máy. Đảm bảo công tắc ở vị trí off (tắt) trước khi nối nguồn điện và/hoặc bộ pin, cầm hoặc mang dụng cụ máy.** Việc mang dụng cụ máy khi đang đặt ngón tay ở vị trí công tắc hoặc cắp điện cho dụng cụ máy đang bật thường dễ gây ra tai nạn.
 13. **Tháo mọi khóa hoặc chìa vặn điều chỉnh trước khi bắt dụng cụ máy.** Việc chia vặn hoặc khóa vặn còn gắn vào bộ phận quay của dụng cụ máy có thể dẫn đến thương tích cá nhân.
 14. **Không với quá cao. Luôn giữ thẳng bằng tốt và có chỗ để chân phù hợp.** Điều này cho phép điều khiển dụng cụ máy tốt hơn trong những tình huống bất ngờ.
 15. **Án mặc phù hợp. Không mặc quần áo rộng hay deo đồ trang sức. Giữ tóc, quần áo và găng tay tránh xa các bộ phận chuyển động.** Quần áo rộng, đồ trang sức hay tóc dài có thể mắc vào các bộ phận chuyển động.
 16. **Nếu các thiết bị được cung cấp để kết nối các thiết bị thu gom và hút bụi, hãy đảm bảo chúng được kết nối và sử dụng hợp lý.** Việc sử dụng thiết bị thu gom bụi có thể làm giảm những mối nguy hiểm liên quan đến bụi.
- Sử dụng và bảo quản dụng cụ máy**
17. **Không dùng lực đối với dụng cụ máy. Sử dụng đúng dụng cụ máy cho công việc của bạn.** Sử dụng đúng dụng cụ máy sẽ giúp thực hiện công việc tốt hơn và an toàn hơn theo giá trị định mức được thiết kế của dụng cụ máy đó.
 18. **Không sử dụng dụng cụ máy nếu công tắc không bật và tắt được dụng cụ máy đó.** Mọi dụng cụ máy không thể điều khiển được bằng công tắc đều rất nguy hiểm và phải được sửa chữa.
 19. **Rút phích cắm ra khỏi nguồn điện và/hoặc ngắt kết nối bộ pin khỏi dụng cụ máy trước khi thực hiện bất kỳ công việc điều chỉnh, thay đổi phụ tùng hay cất giữ dụng cụ máy nào.** Những biện pháp an toàn phòng ngừa này sẽ giảm nguy cơ vỡ tinh khiết động dụng cụ máy.
 20. **Cắt giữ các dụng cụ máy không sử dụng ngoài tầm với của trẻ em và không cho bất kỳ người nào không có hiểu biết về dụng cụ máy hoặc các hướng dẫn này vận hành dụng cụ máy.** Dụng cụ máy sẽ rất nguy hiểm nếu được sử dụng bởi những người dùng chưa qua đào tạo.
 21. **Bảo quản dụng cụ máy.** Kiểm tra tình trạng lêch trực hoặc bát kép của các bộ phận chuyển động, hiện nứt vỡ của các bộ phận và mọi tình trạng khác mà có thể ảnh hưởng đến hoạt động của dụng cụ máy. Nếu có hỏng hóc, hãy sửa chữa dụng cụ máy trước khi sử dụng. Nhiều tai nạn xảy ra là do không bảo quản tốt dụng cụ máy.
 22. **Luôn giữ cho dụng cụ cắt được sắc bén và sạch sẽ.** Nhiều dụng cụ cắt được bảo quản tốt có mép cắt sắc sẽ ít bị kẹt hơn và dễ điều khiển hơn.
 23. **Sử dụng dụng cụ máy, phụ tùng và đầu dụng cụ cắt, v.v... theo các hướng dẫn này, có tính đến điều kiện làm việc và công việc được thực hiện.** Việc sử dụng dụng cụ máy cho các công việc khác với công việc dự định có thể gây nguy hiểm.
- Bảo dưỡng**
24. **Để nhân viên sửa chữa dù trình độ bảo dưỡng dụng cụ máy của bạn và chỉ sử dụng các bộ phận thay thế đồng nhất.** Việc này sẽ đảm bảo duy trì được độ an toàn của dụng cụ máy.
 25. **Tuân theo hướng dẫn dành cho việc bôi trơn và thay phụ tùng.**
 26. **Giữ tay cầm khô, sạch, không dính dầu và mỡ.**

GEB017-2

CÁC QUY ĐỊNH AN TOÀN CỦA THÉ

KHÔNG được để sự thoải mái hay quen thuộc với sản phẩm (có được do sử dụng nhiều lần) thay thế việc tuân thủ nghiêm ngặt các quy định về an toàn dành cho máy bắt vít này. Nếu bạn sử dụng dụng cụ này không an toàn hoặc không đúng cách, bạn có thể bị thương tích cá nhân nghiêm trọng.

1. **Cầm dụng cụ máy bằng bề mặt kẹp cách điện khi thực hiện một thao tác trong đó bộ phận xoay vẫn có thể tiếp xúc với dây dẫn kim hoặc dây của chính nó.** Bộ phận kẹp tiếp xúc với dây dẫn "có điện" có thể khiến các bộ phận kim loại bị hở của dụng cụ máy "có điện" và làm cho người vận hành bị điện giật.
2. **Luôn chắc chắn rằng bạn có chỗ tựa chân vững chắc.**
Đảm bảo rằng không có ai ở dưới khi dùng dụng cụ ở những vị trí trên cao.
3. **Cầm chắc dụng cụ.**
4. **Giữ tay tránh xa các bộ phận quay.**
5. **Không chạm vào mũi khoan hay vật gia công ngay sau khi vận hành; chúng có thể rất nóng và có thể gây bỏng da.**

LƯU GIỮ CÁC HƯỚNG DẪN NÀY.

⚠ CẢNH BÁO:

VIỆC DÙNG SAI hoặc không tuân theo các quy định về an toàn được nêu trong tài liệu hướng dẫn này có thể dẫn đến thương tích cá nhân nghiêm trọng.

MÔ TẢ CHỨC NĂNG

⚠ CẨN TRỌNG:

- Phải luôn đảm bảo rằng dụng cụ đã được tắt điện và ngắt kết nối trước khi chỉnh sửa hoặc kiểm tra chức năng của dụng cụ.

Điều chỉnh chiều sâu

Có thể điều chỉnh chiều sâu bằng cách xoay vòng khóa. Xoay nó vào hướng "B" để nồng hơn và về hướng "A" để sâu hơn. Xoay trọn một vòng cho vòng khóa tương đương với thay đổi 1,5 mm chiều sâu. (Hình 1) Điều chỉnh vòng khóa sao cho khoảng cách giữa đỉnh của đầu định vị và đầu vít vào khoảng 1 mm như thể hiện trên hình vẽ. Khoan thử một vít vào vật liệu hoặc một miếng vật liệu mẫu. Nếu chiều sâu khoan vẫn chưa phù hợp với vít, tiếp tục khoan cho đến khi bạn có được cài đặt chiều sâu phù hợp. (Hình 2 & Hình 3)

Hoạt động công tắc (Hình 4)

⚠ CẨN TRỌNG:

- Trước khi cắm điện vào dụng cụ, luôn luôn kiểm tra xem cần khởi động công tắc có hoạt động bình thường hay không và trả về vị trí "OFF" (TẮT) khi nhả ra.

Để khởi động dụng cụ, chỉ cần kéo cần khởi động công tắc. Dzięki độ dựng cụ được giảm xuống bằng cách tăng lực ép lên cần khởi động công tắc. Nhả cần khởi động công tắc ra để dừng.

Để tiếp tục vận hành, hãy kéo cần khởi động công tắc và sau đó nhấn vào nút khóa.

Để dừng dụng cụ từ vị trí đã khóa, hãy kéo cần khởi động công tắc hết mức, sau đó nhả ra.

LƯU Ý:

- Ngay cả khi công tắc đang bật và motor đang chạy, đầu mũi cũng sẽ không quay cho đến khi nào bạn khôp đỉnh đầu mũi vào đầu vít và nhấn tới nhẹ để gài ly hợp.

Bật các đèn (Hình 5)

⚠ CẨN TRỌNG:

- Đừng nhìn thẳng trực tiếp vào đèn hoặc nguồn sáng. Để tắt đèn, hãy kéo cần khởi động. Nhả cần khởi động để tắt đèn.

LƯU Ý:

- Dùng vải khô để lau bụi bẩn trên kính đèn. Cần thận không được làm xước kính đèn, nếu không đèn có thể bị giảm độ sáng.

Hoạt động công tắc đảo chiều (Hình 6)

⚠ CẨN TRỌNG:

- Luôn luôn kiểm tra hướng xoay trước khi vận hành.
- Chỉ sử dụng công tắc đảo chiều sau khi dụng cụ đã dừng hoàn toàn. Việc thay đổi hướng xoay trước khi dụng cụ dừng có thể làm hỏng dụng cụ.

Dụng cụ này có một công tắc đảo chiều để thay đổi chiều xoay. Di chuyển cần gạt công tắc đảo chiều sang vị trí ↘ (mặt A) để xoay theo chiều kim đồng hồ hoặc vị trí ↗ (mặt B) để xoay ngược chiều kim đồng hồ.

Móc treo (Hình 7)

Móc treo rất thuận tiện cho việc treo tạm dụng cụ.

LẮP RÁP

⚠ CẨN TRỌNG:

- Luôn luôn đảm bảo rằng dụng cụ đã được tắt và tháo phích cắm trước khi dùng dụng cụ thực hiện bất cứ công việc nào.

Việc lắp đặt hoặc tháo gỡ đầu mũi

Để tháo đầu mũi ra, đầu tiên hãy tháo bộ định vị bằng cách kéo vòng khóa ra khỏi vỏ hộp số. (Hình 8)

Nắm lấy đầu mũi bằng kim và kéo đầu mũi ra khỏi đầu giữ mũi từ tính. Đôi lúc cần lắc nhẹ đầu mũi bằng kim khi bạn đang kéo ra.

Để lắp đầu mũi, nhấn nó thật chặt vào đầu giữ mũi từ tính. Sau đó lắp đầu định vị bằng cách nhấn chặt nó trở lại vỏ hộp số. (Hình 9)

Sử dụng phần giữ đầu định vị (Hình 10)

Đầu định vị có thể tạm thời gắn trên phần giữ đầu định vị trong lúc thay thế đầu mũi hoặc sử dụng không cần đầu định vị. Để giữ đầu định vị, đặt các lỗ hình thang trên đầu định vị vào phần gờ nhô của đầu định vị và ấn vào.

VẬN HÀNH

Gắn vít trên điểm đầu mũi và đặt điểm đầu vít lên bề mặt gia công cần được gắn chặt. Nhấn dụng cụ và bắt đầu. Rút dụng cụ ra khi vừa ngắt ly hợp. Sau đó nhả cần khởi động công tắc. (Hình 11)

⚠ CẨN TRỌNG:

- Khi gắn khớp vít lên đỉnh đầu mũi, cần thận không đẩy vào vít. Nếu vít bị đẩy vào, khớp ly hợp sẽ gài và vít sẽ quay bất thình linh. Điều này có thể gây hư hỏng vật gia công hoặc gây thương tích.
- Đảm bảo rằng đầu mũi được lắp thẳng đúng vào đầu vít, nếu không vít và/hoặc mũi vặn có thể bị hư hỏng.
- Chỉ giữ dụng cụ bằng tay cầm khi thực hiện thao tác. Không được chạm vào phần kim loại.

BẢO TRÌ

⚠ CẨN TRỌNG:

- Hãy luôn chắc chắn rằng dụng cụ đã được tắt và ngắt kết nối trước khi cố gắng thực hiện việc kiểm tra hay bảo dưỡng.

Để đảm bảo AN TOÀN và TIN Cậy của sản phẩm, việc sửa chữa hoặc bắt cứ thao tác bảo trì, điều chỉnh nào đều phải được thực hiện bởi các Trung tâm Dịch vụ Được Ủy quyền của Makita (Makita Authorized Service Center), luôn sử dụng các phụ tùng thiết bị thay thế của Makita.

PHỤ KIỆN TÙY CHỌN

⚠ CẨN TRỌNG:

- Các phụ kiện hoặc phụ tùng gắn thêm này được khuyến cáo sử dụng với dụng cụ Makita của bạn theo như quy định trong hướng dẫn này. Việc sử dụng bất cứ phụ kiện hoặc phụ tùng gắn thêm nào khác đều có thể gây ra rủi ro thương tích cho người. Chỉ sử dụng phụ kiện hoặc phụ tùng gắn thêm cho mục đích đã quy định sẵn của chúng.

Nếu bạn cần hỗ trợ để biết thêm chi tiết về những phụ kiện này, hãy liên hệ với Trung tâm Dịch vụ của Makita tại địa phương của bạn.

- Đầu mũi chén Phillips
- Đầu giữ mũi từ tính
- Đầu định vị

LƯU Ý:

- Một vài mục trong danh sách có thể được bao gồm trong gói dụng cụ làm phụ kiện tiêu chuẩn. Các thông số kỹ thuật có thể thay đổi tùy theo từng quốc gia.

คำอธิบายของมุมมองทั่วไป

1. แหนล็อก	5. ดาวไฟ	9. ดอกไม้คง
2. ตัวยืด	6. ก้านวิตซ์เปลี่ยนพิศทาง	10. สวนทึ่กหัวง
3. สวิตซ์ส่งงาน	7. ชุดเกี่ยว	11. ช่องรูปสี่เหลี่ยมคางหมู
4. ปุ่มล็อก	8. ร่องเพื่อง	12. ตัวจับตัวยืด

ข้อมูลจำเพาะ

รุ่น	FS2200	FS2300
ความสามารถในการเจาะ	สกรูหัวปลอก	6 มม.
	สกรูจาะแผ่นด้ายาออล์	5 มม.
ความเร็วขณะบล็อก (รอบต่อนาที)	0 - 2,500	0 - 2,500
ความยาวได้รับ	287 มม.	290 มม.
น้ำหนักสุทธิ	1.6 กก.	1.6 กก.
มาตรฐานความปลอดภัย	<input checked="" type="checkbox"/> //	

- เนื่องจากการค้นคว้าวิจัยและพัฒนาอย่างต่อเนื่อง ข้อมูลจำเพาะในเอกสารฉบับนี้อาจเปลี่ยนแปลงได้โดยไม่ต้องแจ้งให้ทราบล่วงหน้า
- หมายเหตุ: ข้อมูลจำเพาะอาจแตกต่างกันไปในแต่ละประเทศ
- นำหน้าด้วยข้อบังคับของ EPTA 01/2003

END201-4

สัญลักษณ์

ต่อไปนี้คือสัญลักษณ์ที่ใช้สำหรับอุปกรณ์ โปรดศึกษาความหมายของสัญลักษณ์นี้ให้เข้าใจก่อนการใช้งาน



.....อ่านคู่มือการใช้งาน



.....ฉบับสองข้าง

จุดประสงค์ของเครื่องมือ

เครื่องมือนี้สำหรับขันสกรูลงในไม้ โลหะ และพลาสติก

ENE033-1

แหล่งจ่ายไฟ

ควรเชื่อมต่อเครื่องมือกับแหล่งไฟที่มีแรงดันไฟฟ้าตามที่ระบุไว้ในหน้าข้อมูลของเครื่องมือ และต้องใช้ไฟฟ้ากระแสสลับแบบไฟเดียวเท่านั้น อุปกรณ์นี้ได้รับการห้องน้ำและสามารถใช้ตามมาตรฐาน European Standard และสามารถใช้กับปลั๊กไฟที่ไม่มีสายคืนได้

ENF002-1

GEA005-2

คำเตือนด้านความปลอดภัยของเครื่องมือไฟฟ้าทั่วไป

⚠️ คำเตือน! อ่านคำเตือนด้านความปลอดภัยและคำแนะนำดังกล่าวจากผู้ส่งผลให้เกิดไฟฟ้าขึ้นได้ไฟฟ้าใน และหรือได้รับบาดเจ็บอย่างร้ายแรง

เก็บรักษาคำเตือนและคำแนะนำนำทั้งหมดไว้เป็นข้อมูลอ้างอิงในอนาคต

คำว่า “เครื่องมือไฟฟ้า” ในคำเตือนนี้หมายถึงเครื่องมือไฟฟ้า (มีสาย) ที่ทำงานโดยใช้กระแสไฟฟ้าหรือเครื่องมือไฟฟ้า (ไร้สาย) ที่ทำงานโดยใช้แบตเตอรี่

ความปลอดภัยของพื้นที่ทำงาน

- อยู่แลพื้นที่ทำงานให้มีความสะอาดและมีแสงไฟสว่าง พื้นที่รกรากจะเกะกะหรือมีเศษวัสดุอาจนำไปสู่การเกิดอุบัติเหตุได้
- อย่าใช้ช้อนเหล็กเมื่อไฟฟ้าในสภาพที่อาจเกิดการระเบิด เช่น ในสถานที่มีเชื้อเอนเซล กำมะ หรือฝุ่นมากที่มีกุญแจบิดไฟฟ้า เนื่องจากเมื่อไฟฟ้ามาสัมผัสเชิงประกายไฟและดัดชนวนกุญแจจะเกิดการระเบิด
- อยู่แลในห้องเด็กๆ หรือบุคคลอื่นอยู่ในบริเวณที่กำลังใช้เครื่องมือไฟฟ้า การใช้เด็กนักเรียนเด็กๆ ที่ไม่คุ้นเคยอยู่ใกล้กับคนบุคคล

ความปลอดภัยด้านไฟฟ้า

- ปลั๊กของเครื่องมือไฟฟ้าต้องพร้อมกับเด้ารับ อย่าดัดแปลงปลั๊ก ไม่ว่ากรณีใดๆ อย่าใช้ปลั๊กอะแดปเตอร์บันคือเครื่องมือไฟฟ้าที่ต้องสายเดียวที่ไม่สามารถดัดแปลงและเด้ารับไฟฟ้าที่ใช้กันพอดีจะช่วยลดความเสี่ยงของการเกิดไฟฟ้าช็อก
- ระวังอย่าให้ร่างกายสัมผัสพื้นผิวที่ต่อสายดิน เช่น ท่อเครื่องน้ำความร้อน เตาหุงต้ม และตู้เย็น มีความเสี่ยงที่จะเกิดไฟฟ้าช็อกลง หากร่างกายของคุณสัมผัสถูกพื้น
- อย่าให้เครื่องมือไฟฟ้าอยู่หัวหรืออยู่ในสภาพเปียกชื้น น้ำที่เหลือในไปเครื่องมือไฟฟ้าจะเพิ่มความเสี่ยงของการเกิดไฟฟ้าช็อก
- อย่าใช้สายไฟฟ้าอย่างไม่เหมาะสม อย่าใช้สายไฟเพื่อยก ลิ้น หรือดูดปลั๊กเครื่องมือไฟฟ้า เก็บสายไฟให้ห่างจากความร้อน

- น้ำมัน ของมีคม หรือชิ้นส่วนที่เคลื่อนที่ สายที่ชำรุดหรือพังกันจะเพิ่มความเสี่ยงของการเกิดไฟฟ้าช็อก
8. ขณะที่ใช้งานเครื่องมือไฟฟ้านอกอาคาร ควรใช้สายต่อพ่วงที่เหมาะสมกับงานภายนอกอาคาร การใช้สายที่เหมาะสมกับงานภายนอกอาคารจะลดความเสี่ยงของการเกิดไฟฟ้าช็อก
 9. หากต้องใช้งานเครื่องมือไฟฟ้านิสถานที่เปียกน้ำ ให้ใช้อุปกรณ์ตัดวงจรเมื่อภัยระaillesไฟฟ้ารั่วลงดิน (GFCI) การใช้ GFCI จะลดความเสี่ยงของการเกิดไฟฟ้าช็อก
- ความปลอดภัยส่วนบุคคล**
10. ให้ระวังครัวว่าง และสังเกตเสมอว่าคุณกำลังทำสิ่งใดอยู่ และใช้ช้อนสpatula ในการใช้ไฟฟ้า อย่าใช้งานเครื่องมือไฟฟ้าในขณะที่คุณกำลังล้างเนื้อ หรือในสภาพที่เรียนมาจากยาเสพติด เครื่องดื่ม และยาหัตถ หรือการใช้ยา ซึ่งจะเพิ่มความระเหะระหง่านให้ก่อตัวได้ง่ายขึ้น เนื่องจากยาทำให้คุณได้รับบาดเจ็บอย่างรุนแรง
 11. ใช้อุปกรณ์ป้องกันส่วนบุคคล สวยงามเดาป้องกันเสมอ อุปกรณ์ป้องกัน เช่น หน้ากากกันฝุ่น รองเท้าหุ้มวัยกันสีนี หมวกนิรภัย หรือ เครื่องป้องกันการให้ไฟฟ้าที่มีสภาพที่เหมาะสมจะช่วยลดการบาดเจ็บ
 12. ป้องกันไฟฟ้าโดยได้ใช้งานอย่างไม่ตั้งใจ ตรวจสอบว่าสวิตช์อยู่ในตำแหน่งปิดก่อนเชื่อมต่อ กับแหล่งจ่ายไฟ และ/หรือชุดแบตเตอรี่ หรือ ก่อนนำรายการหรือเครื่องมือ การทดสอบว่ามีไฟบริเวณเดิมที่เชื่อมต่อไฟฟ้า หรือการตรวจสอบไฟฟ้าโดยเครื่องมือไฟฟ้าในขณะที่ปิดสวิตช์อยู่คุณสามารถปิดสูญญากาศได้โดยอัตโนมัติ
 13. นำกุญแจปั๊บแต่งแต่หรือประแจออกก่อนที่จะเปิดเครื่องมือไฟฟ้า ประแจเข้าหัวแม่เหล็กหรือเขียงหัวแม่เหล็กในชิ้นส่วนที่หุ้นเดียวของเครื่องมือไฟฟ้าช็อก ทำให้คุณได้รับบาดเจ็บ
 14. อย่าทำงานในระยะที่สุดเข้ม จัดตั้งการทำงานและภาระลงตัวให้เหมาะสมสมดล蔻เวลา เพศจะทำให้ควบคุมเครื่องมือไฟฟ้าได้ดีขึ้น ในสถานการณ์ที่ไม่คาดคิด
 15. แต่งกายให้เหมาะสม อย่าสวมเครื่องแต่งกายที่หลวมเกินไป หรือสวมเครื่องประดับ ดูแลไม่ให้เส้นผม เสื้อผ้า และถุงมืออยู่ใกล้ชิ้นส่วนที่ เครื่องต่อ เช่น คัมภีร์ รุ่ม หรือผ้าที่มีความยาวมาก เช่น ผ้าที่มีความยาวมากอาจเข้าไปปิดในชิ้นส่วนที่เกี่ยวข้อง
 16. หากมีภาระดูอุปกรณ์สำหรับดูดและจัดเก็บฝุ่นไว้ในสถานที่ ให้ตรวจสอบว่าได้เชื่อมต่อและใช้งานอุปกรณ์นั้นอย่างเหมาะสม การใช้เครื่องดูดและจัดเก็บฝุ่นจะช่วยลดอันตรายที่เกิดจากฝุ่นลงได้
- การใช้และดูแลเครื่องมือไฟฟ้า**
17. อย่าใช้เครื่องมือไฟฟ้า ใช้เครื่องมือไฟฟ้าที่เหมาะสมกับการใช้งานของคุณ เครื่องมือไฟฟ้าที่ไม่เหมาะสมจะทำให้ได้งานที่มีประสิทธิภาพและปลอดภัยกว่าตามที่คาดหวังของเครื่องที่ได้รับการออกแบบมา
 18. อย่าใช้เครื่องมือไฟฟ้า หากสวิตช์ไม่สามารถเปิดปิดได้ เครื่องมือไฟฟ้าที่ควบคุมด้วยสวิตช์ไม่ได้เป็นสิ่งอันตรายและต้องได้รับการซ่อมแซม
 19. ถอดปลั๊กจากแหล่งจ่ายไฟ และ/หรือชุดแบตเตอรี่ออกจากเครื่องมือไฟฟ้าก่อนทำการปั๊บแต่ง เปลี่ยนอุปกรณ์เสริม หรือ จัดตั้งเครื่องมือไฟฟ้า วิธีการปั๊บกันได้ตามความปลอดภัยดังกล่าว จะช่วยลดความเสี่ยงของการเปิดใช้งานเครื่องมือไฟฟ้าอย่างไม่ตั้งใจ
 20. จัดเก็บเครื่องมือไฟฟ้าที่ไม่ได้ใช้งานให้ห่างจากมือเด็ก และอย่าอนุญาตให้บุคคลที่ไม่คุ้นเคยกับเครื่องมือไฟฟ้าหรือค่าน้ำ เหล่านี้ใช้งานเครื่องมือไฟฟ้า เครื่องมือไฟฟ้าจะเป็นอันตรายเมื่ออยู่ในมือของผู้ที่ไม่ได้รับการฝึกอบรม
 21. การดูแลรักษาเครื่องมือไฟฟ้า ตรวจสอบการประกอบที่ไม่ถูกต้องหรือการเชื่อมต่อของชิ้นส่วนที่เคลื่อนที่ การแตกรากหักของชิ้นส่วน หรือสภาพอื่นๆ ที่อาจส่งผลกระทบต่อการทำงานของเครื่องมือไฟฟ้า หากมีความเสียหาย ให้หาเครื่องมือไฟฟ้าไปซ่อมแซมก่อนการใช้งาน ยุบติดตามวันเวลาหากจากการดูแลรักษาเครื่องมือไฟฟ้าอย่างไม่ถูกต้อง
 22. ลับความคอมและทำความสะอาดเครื่องมือการตัดอยู่เสมอ เมื่อเครื่องมือการตัดที่มีการดูแลอย่างถูกต้องแล้วเมื่อขับการตัดคอมมักจะมีปัญหาดิตชั้นน้ำแข็งและควบคุมได้ยากกว่า
 23. ใช้เครื่องมือไฟฟ้า อุปกรณ์เสริม และวัสดุสิ่งปล่อง ฯลฯ ตามค่าน้ำดังกล่าว พิจารณาสภาพการทำงานและงานที่จะลงมือทำ ทำให้เครื่องมือไฟฟ้าเพื่อทำงานอื่นนอกเหนือจากที่กำหนดไว้ อาจทำให้เกิดอันตราย
- การนำรากขั้นแรก**
24. นำเครื่องมือไฟฟ้าเข้าห้องบริการจากช่องซ่อมที่ผ่านการรับรอง โดยใช้ช่องไนล์แบบเดิมที่หันหน้าเข้ามานะจะทำให้การใช้เครื่องมือไฟฟ้ามีความปลอดภัย
 25. ปฏิบัติตามค่าน้ำดีในการหล่อสีและกาวเปลี่ยนอุปกรณ์เสริม
 26. ดูแลมือจับให้แห้ง สะอาด และไม่มีน้ำมันและสารระบีปีก่อน

GEB017-2

กฎเกี่ยวกับความปลอดภัยที่สำคัญ

อย่าให้ความไม่ระมัดระวังหรือความคันเกียบลิทวัท (จากการใช้งานหัวเหล็ก) อยู่หรือการปฏิบัติตามกฎเกณฑ์ด้านความปลอดภัยในการใช้งานผลิตภัณฑ์อย่างเคร่งครัด หากคุณใช้เครื่องมือไฟฟ้าชนิดนี้อย่างไม่ปลอดภัยหรือไม่เหมาะสม คุณอาจจะได้รับบาดเจ็บร้ายแรงได้

1. ห้ามเครื่องมือไฟฟ้าเข้าห้องบริการจากช่องซ่อมที่ไม่ได้มาตรฐาน สายต่ออาสามัคคีกับสายไฟที่ซ่อนอยู่หรือสายไฟของเครื่องของสายต่อที่สัมผัสน้ำด้วยไฟที่ “ฉีกกระแสไฟฟ้าให้เหลือผ่าน” อาจทำให้ส่วนที่เป็นโลหะของเครื่องมือไฟฟ้าที่ไม่ได้เชื่อมต่อ “มีกระแสไฟฟ้าไหลผ่าน” และทำให้สูญเสียติดต่อภัยในไฟฟ้าช็อกได้
2. ตรวจสอบบุณฑุณที่อ่อนไหวต่อความร้อน เช่น ห้องใช้เครื่องมือในพื้นที่สูง ระหว่างอยู่ในบุณฑุณต้องดูแลตัวเองให้ดี
3. จับหัวอย่างมือให้แน่น
4. ระหว่างอยู่ห้องสัมผัสน้ำด้วยไฟที่ “ฉีกกระแสไฟฟ้าให้เหลือผ่าน” อาจทำให้ส่วนที่เป็นโลหะของเครื่องมือไฟฟ้าที่ไม่ได้เชื่อมต่อ “มีกระแสไฟฟ้าไหลผ่าน” และทำให้สูญเสียติดต่อภัยในไฟฟ้าช็อกได้
5. ห้ามสัมผัสน้ำด้วยไฟที่ “ฉีกกระแสไฟฟ้าให้เหลือผ่าน” อาจทำให้ส่วนที่เป็นโลหะของเครื่องมือไฟฟ้าที่ไม่ได้เชื่อมต่อ “มีกระแสไฟฟ้าไหลผ่าน” และทำให้สูญเสียติดต่อภัยในไฟฟ้าช็อกได้

บันทึกคำแนะนำเหล่านี้

⚠️ คำเตือน:

การใช้งานอย่างไม่เหมาะสมหรือการไม่ปฏิบัติตามกฎเกณฑ์ด้านความปลอดภัยในคุณมือใช้งานนี้อาจก่อให้เกิดการบาดเจ็บอย่างรุนแรง

- ตัวอย่าง

หมายเหตุ:

- ถูกกล่าวหาว่าการอาชญากรรมที่ในชุดอุปกรณ์พัฒนาของผลิตภัณฑ์ซึ่งอาจแตกต่างกันไปในแต่ละประเทศ

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