

Milwaukee

Nothing but **HEAVY DUTY**®



AGVM 24-230 GEX **AGVM 26-230 GEX**

Original instructions
Originalbetriebsanleitung
Notice originale
Istruzioni originali
Manual original
Oorspronkelijke gebruiksaanwijzing
Original brugsanvisning
Original bruksanvisning
Bruksanvisning i original
Alkuperäiset ohjeet

Πρωτότυπο οδηγιών χρήσης
Orijinal işletme talimatı
Původním návodem k používání
Pôvodný návod na použitie
Instrukcją oryginalną
Eredeti használati utasítás
Izvirna navodila
Originalne pogonske upute
Instrukcijām oriģināvalodā
Originali instrukcija

Algupärane kasutusjuhend
Оригинальное руководство по эксплуатации
Оригинално ръководство за експлоатация
Instrucțiuni de folosire originale
Оригинален прирачник за работа
Оригінал інструкції з експлуатації

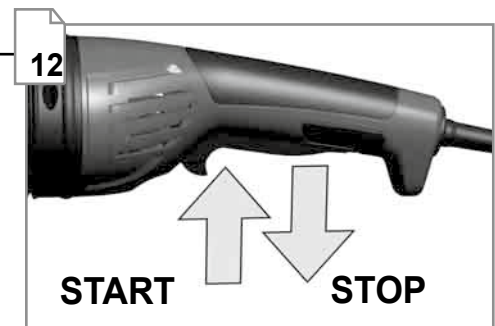
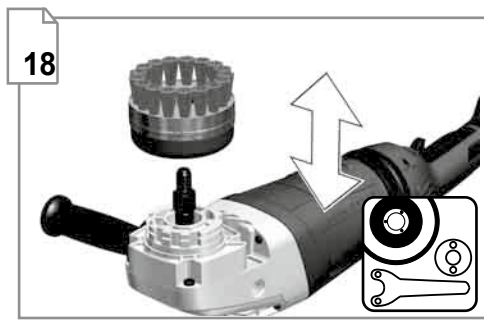
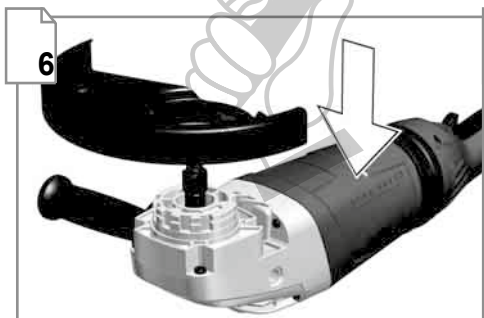
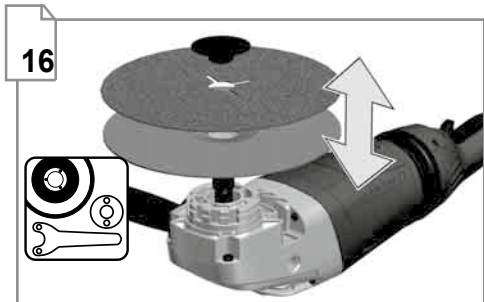


МАГАЗИН
БАШ

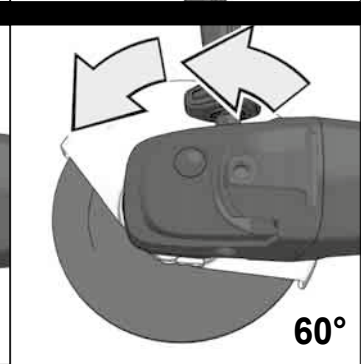
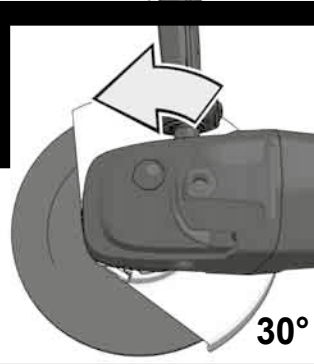
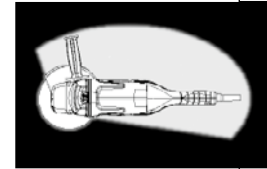
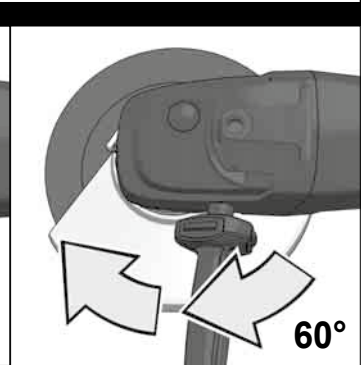
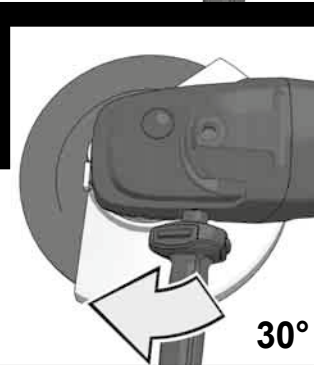
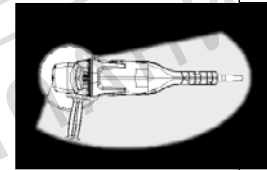
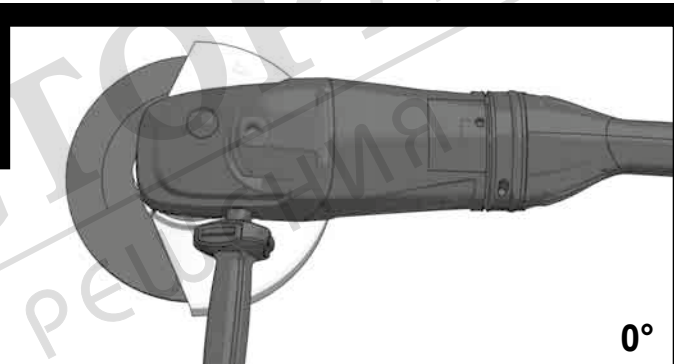
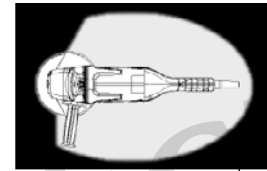
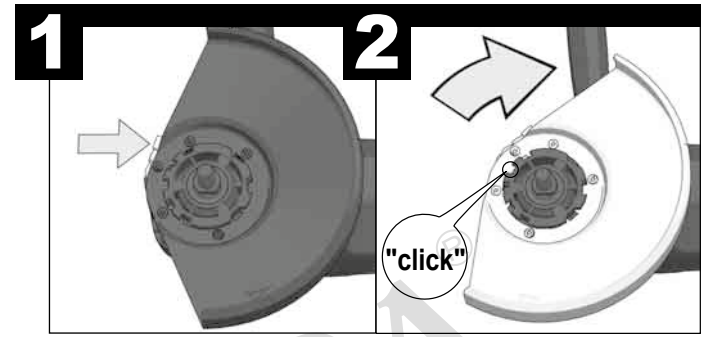
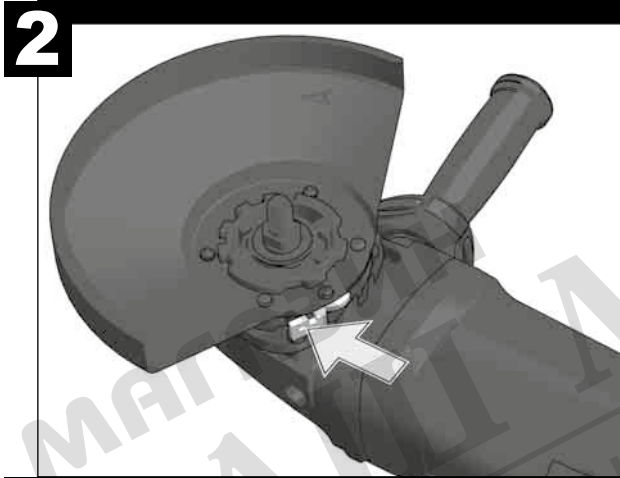
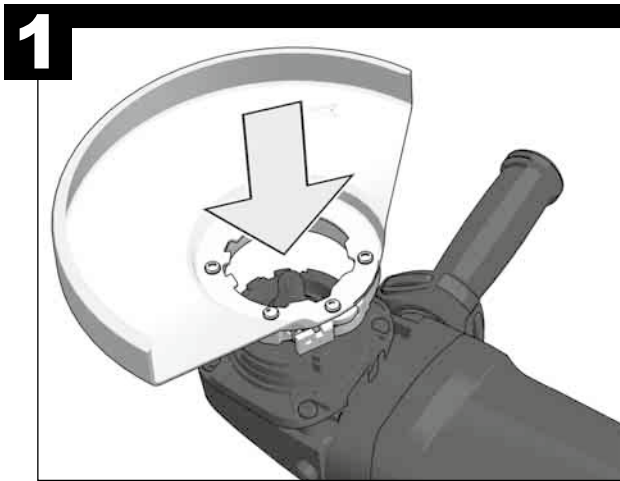
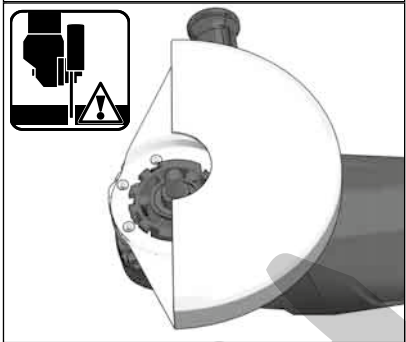
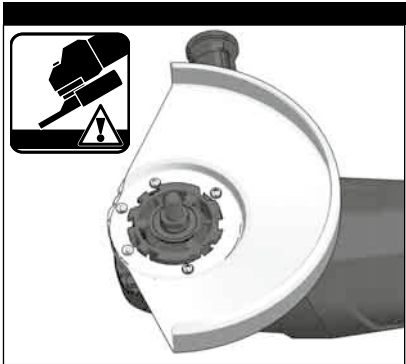
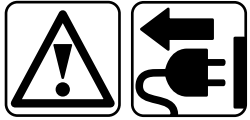
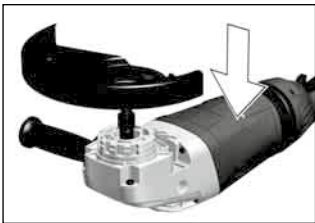
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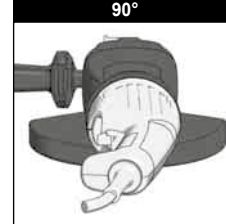
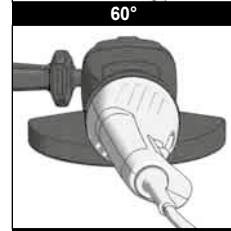
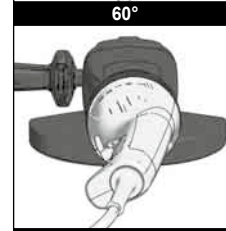
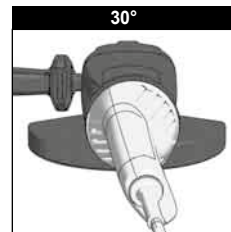
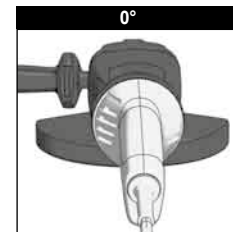
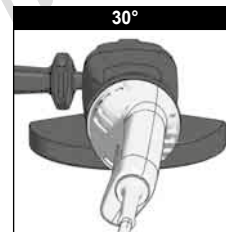
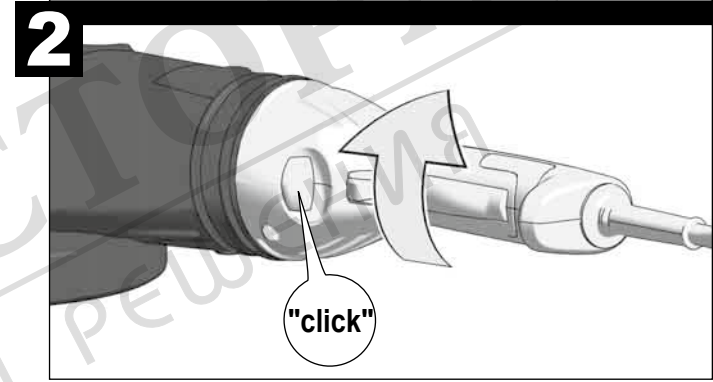
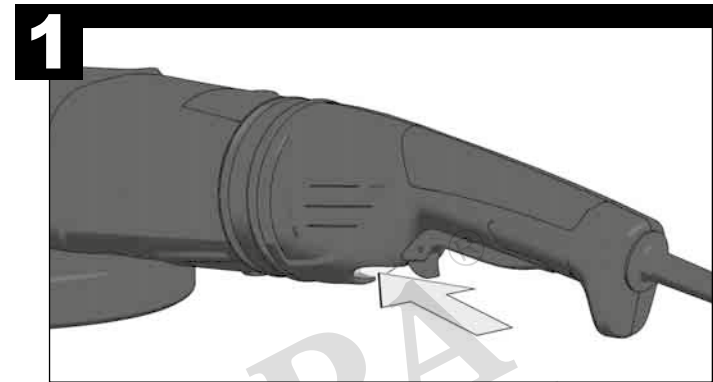
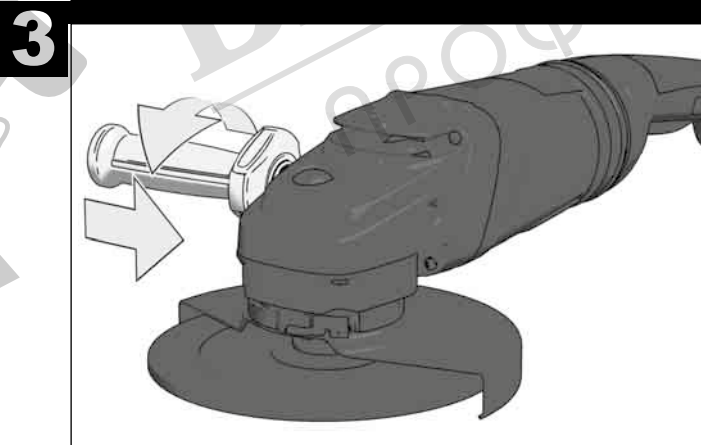
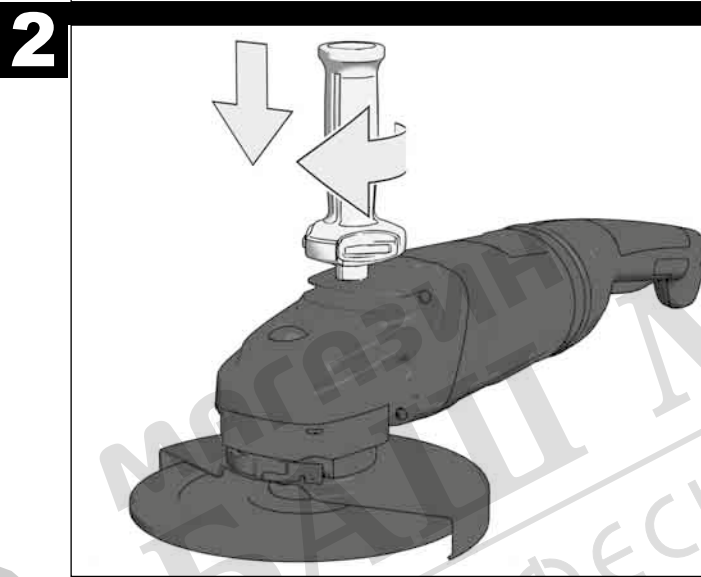
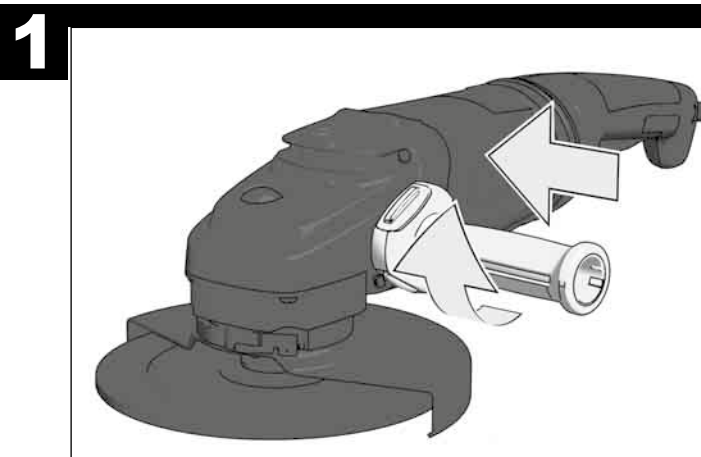
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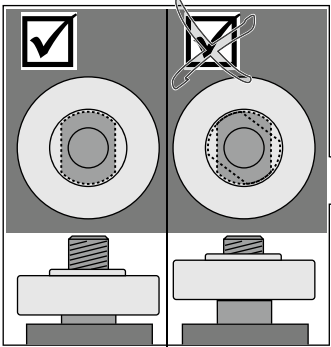
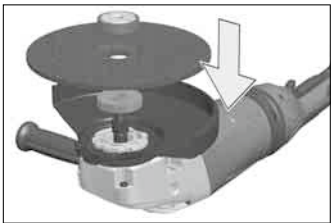
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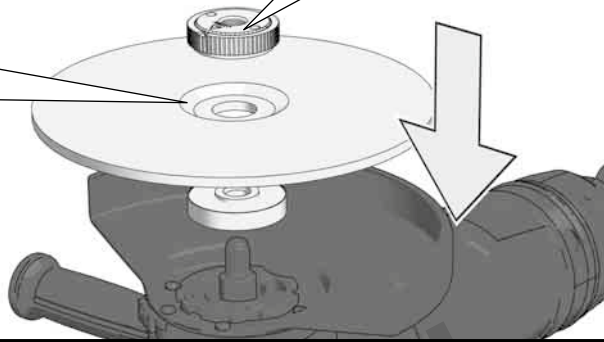
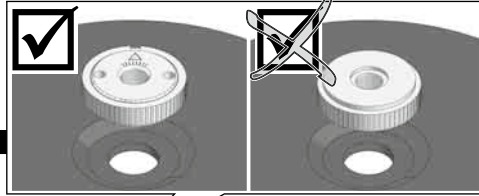
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- Tarvikud
- Принадлежности
- Аксесоар
- Accessoriu
- Додаточи
- Комплектуючи
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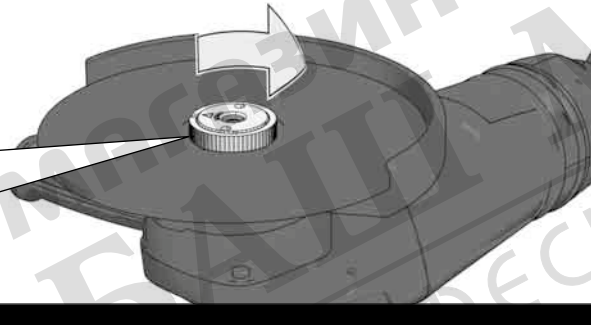




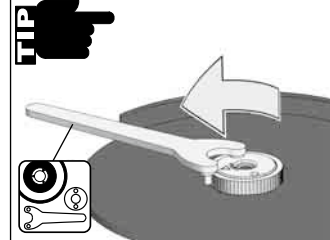
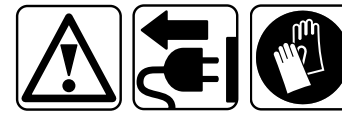
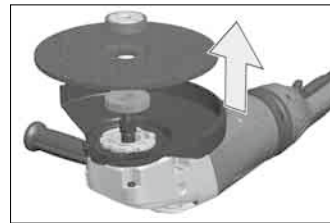
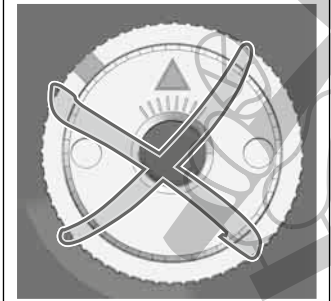
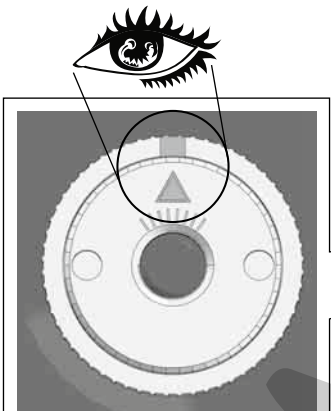
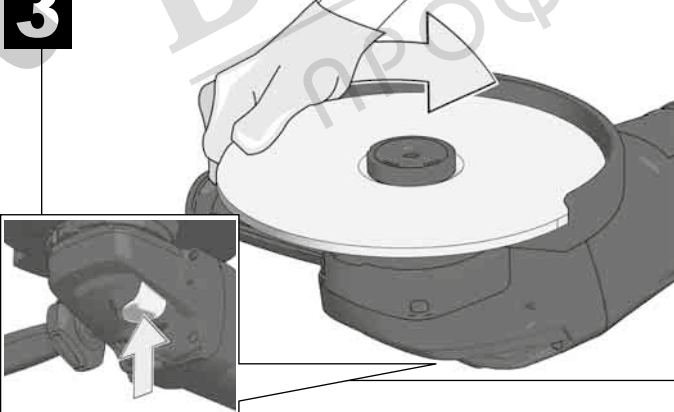
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2



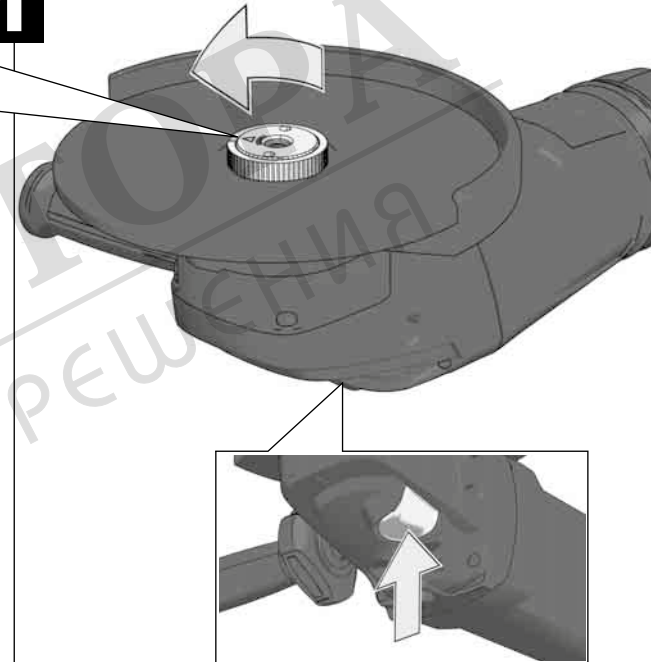
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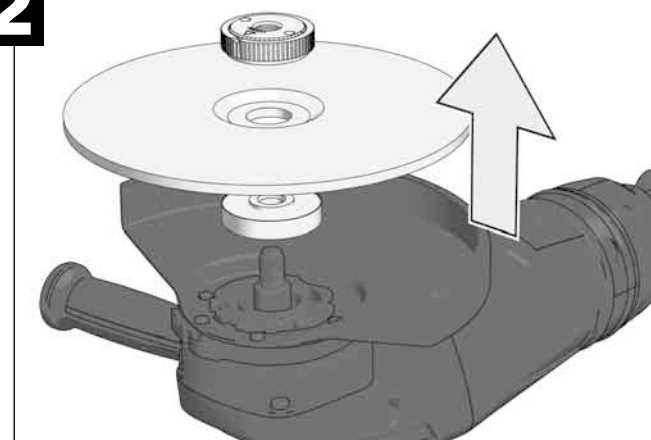
TIP

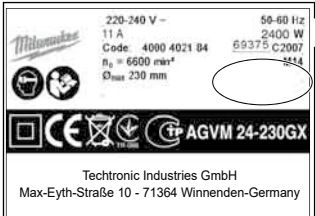
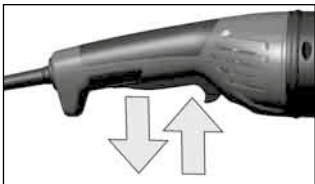
Use a spanner wrench if FIXTEC nuts are stuck.
Bei festsitzender FIXTEC Mutter Zweilochmutter-schlüssel verwenden.
Utiliser une clé à deux ergots si l'écrou FIXTEC est grippé.
Se il dado FIXTEC è bloccato, utilizzare la chiave con 2 fori.
Si la tuerca FIXTEC está agarrotada, utilizar la llave para tuercas de dos agujeros.
Se a porca FIXTEC estiver fixa, utilizar a chave para porcas de dois orifícios.
Bij vastzittende FIXTEC-moer de tweegats moersleutel gebruiken.
Ved fastsittende FIXTEC-motrik anvendes tohulus-motriknägge.
Ved fastsittende FIXTEC mutter bruk tohulls skrunøkkel.
Använd den tvåhålade muttermnyckeln, om FIXTEC-muttern sitter fast.
Jos FIXTEC-mutteri on juuttunut kiinni, käytä kaksireikäistä mutteriväintä.
Σε περίπτωση που δεν εφθιάδεται το FIXTEC παξιμάδι χρησιμοποιείτε κλειδί παξιμαδιών δύο οπών.
Sabit oturan FIXTEC somunları için iki delikli somun anahtarını kullanın.
Pri pevne utáhnuté matce FIXTEC použijte dvojdílný kľúč na matky.
Pri pevne utahnutelj matici FIXTEC použijte dvojdielový kľúč na matice.
W przypadku zakleszczonej nakrętki FIXTEC należy zastosować klucz maszynowy do nakrętek okrągłych czolowych dwuotworowych.
Megszorult FIXTEC-anyánál kétlyukas anyakulcsot kell használni.
Pri zalegnjeni FIXTEC matici uporabite ključ za matico z dvema luknjama.
Kod čvrsto stegnute FIXTEC matice upotrijebiti dvorupni ključ za matice.
Ja iesprūdis uzgrieznis FIXTEC, izmanojiet uzgriežņu atslēgu ar diviem caurumiem.
Jei FIXTEC veržlė tvirtai prisukta, naudokite dvigalį veržliarakį.
Kui FIXTEC mutter on kiinni, kasutada kahe auguga mutrivõtit.
В случае прочной фиксации гайки FIXTEC использовать ключ для гаек с двумя отверстиями.
При блокіралі FIXTEC гайкі да се използва двурогов гаечен ключ.
Dacă piulița FIXTEC s-a înțepenit, folosiți o cheie pentru piulițe cu două găuri.
Во случај на прицврстена FIXTEC навртка употребете клуч за навртки со двојна дупка.
Якщо гайка FIXTEC сидить міцно, використовувати ключ для гайки з двома торцевими отворами.

1

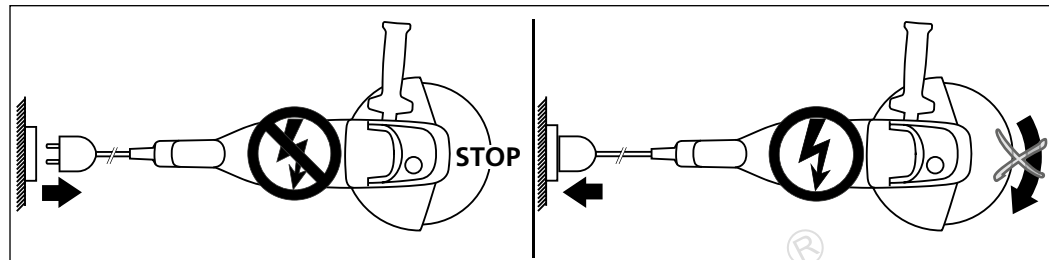
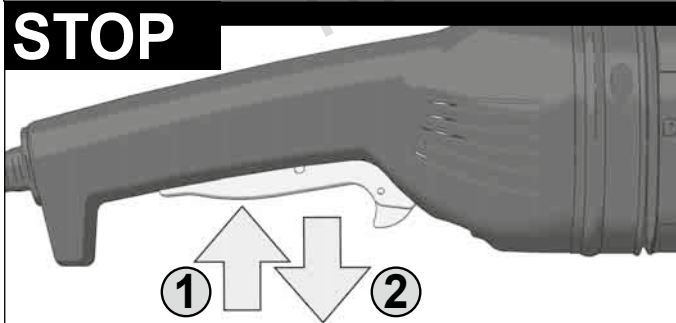
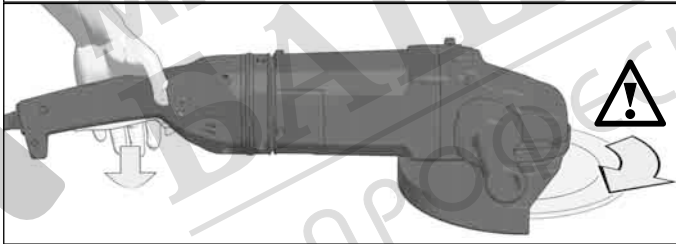
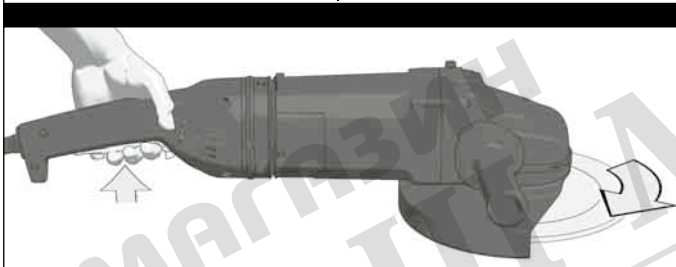
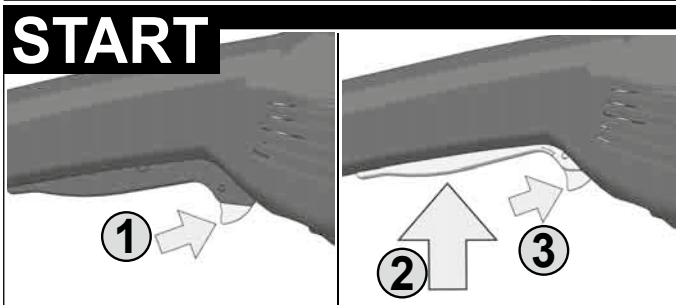
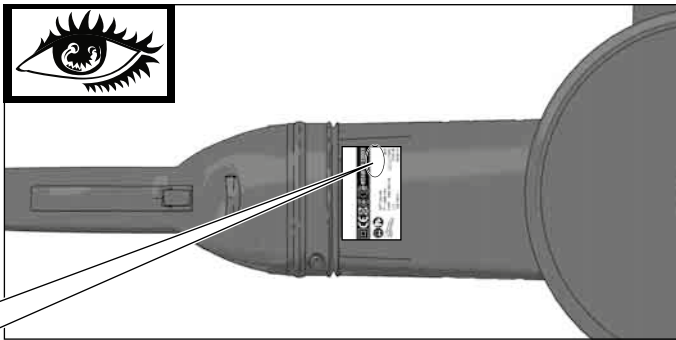


2





Switch can be locked
Schalter ist arretierbar
Le commutateur peut être verrouillé
L'interruttore si può bloccare
El interruptor se puede bloquear
O interruptor pode ser bloqueado
Schakelaar is vastzetbaar
Afbryder kan fikseres
Bryter kan låses
Brytaren kan arreteras.
Katkaisimen voi lukita.
Ο διακόπτης μπορεί να ασφαλιστεί
Şalter ayarlanabilir
Vypínač je aretovateľný
Przełącznik daje się zablokować
A kapcsoló rögzíthető
Stikalo je nastavljivo
Prekidač se može arretirati
Slēdzis ir labojams
Jungtiklis gali būti užblokuojamas
Lüliti on fikseeritav
Фиксируемый переключатель
Превключателят може да се фиксира
Comutatorul poate fi blocat
Прекинувачот може да се заклучи
Вимикач може блокуватися



Startup protection:
When switched on, the machine will not start up after voltage breakdown. To continue working, switch the machine off and then on again.

Wiederanlaufschutz:
Eingeschaltete Maschine läuft nach Spannungsausfall nicht wieder an. Um weiter zu arbeiten Maschine aus- und wieder einschalten.

Dispositif de protection contre un redemarrage
Après une coupure de tension, la machine enclenchée ne redémarre pas. Pour continuer à travailler, il convient d'éteindre la machine et de l'enclencher à nouveau.

Protezione contro il riavvio
La macchina accesa non riparte in seguito alla caduta della tensione. Per poter continuare a lavorare bisogna prima spegnere e poi riaccendere la macchina.

Protección contra el reanarque
La máquina conectada no se vuelve a poner en marcha después de un fallo de corriente. Para continuar el trabajo, desconectar y volver a conectar la máquina.

Proteção de reinício
Quando está ligada, após uma falha de energia a máquina não retoma o seu funcionamento. Para prosseguir o trabalho, desligar a máquina e voltar a ligá-la.

Herstartbeveiliging
Na spanningsuitval schakelt de machine niet automatisch weer in. Schakel de machine uit en weer in om door te kunnen werken.

Genstartsbeskyttelse
I tilfælde af spændingsudfald, mens maskinen kører, går den ikke i gang igen, når spændingen kommer tilbage. For at genoptage arbejdet skal maskinen slukkes og tændes igen.

Automatisk gjenstartsbeskyttelse
En påslått maskin begynner ikke automatisk å gå igjen etter strømbrudd. For å kunne fortsette å arbeide må maskinen skues av og så på igjen.

Återstartsskydd
En påslagen maskin startar inte själv efter ett strömbrott. Stäng först av och slå sedan på maskinen igen för att fortsätta att arbeta.

Uudelleenkäynnistyssuoja
Päälekytketty kone ei käynnisty sähkökatkon jälkeen uudestaan. Työn jatkamiseksi tulee kone sammuttaa ja käynnistää uudelleen.

Προστασία επανεκκίνησης
Η ενεργοποιημένη μηχανή δεν ξεκινά πάλι από μόνη της μετά από μια πτώση ρεύματος. Για να συνεχίσετε την εργασία, απενεργοποιείτε και ενεργοποιείτε πάλι τη μηχανή.

Tekrar çalıştırma koruma
Çalıştırılan makine voltaj kaybindan sonra yeniden çalışmaz. Makineyi tekrar çalıştırmak için kapatın ve tekrar açın.

Ochrana proti opětovnému náběhu
Zapnutá rozbrušovačka se v případě výpadku proudu po jeho

opětovném zapnutí sama nerozběhne. K pokračování práce se rozbrušovačka musí vypnout a opět zapnout.

Ochrana proti opětovnému náběhu
Zapnutá rozbrušovačka sa v prípade výpadku prúdu po jeho opätovnom zapnutí sama nerozběhne. K pokračovaniu práce sa rozbrušovačka musí vypnúť a opäť zapnúť.

Zabezpečenie pred ponovným uruchomením
Włączone urządzenie nie uruchamia się z powrotem po ustąpieniu zaniku napięcia. Aby móc kontynuować pracę, urządzenie należy wyłączyć, a potem z powrotem włączyć.

Újraindulás elleni védelem
A bekapcsolt gép feszültségmentés után ismét elindul. A munka folytatásához a gépet ki és újra be kell kapcsolni.

Zaščita pred ponovnim zagonom
Vkljopjen stroj se po izpadu napetosti ponovno ne zažene. Za nadaljevanje dela stroj izklopite in ponovno vkljopite.

Zaštita protiv ponovnog pokretanja
Uključeni stroj poslije nestanka napona više ne starta. Da bi se dalje radilo, stroj isključiti i ponovno uključiti.

Aizsardzība pret atkārtotu palaišanu
Pārtrūkstot strāvas padevei, ieslēgtā ierīce no jauna neieslēdzas. Darba turpināšanai ierīci izslēgt un ieslēgt no jauna.

Apsauga nuo pakartotinio įsijungimo
Jei darbo metu dingsta įtampa, ją sutvarkius, mašina neįsijungia automatiškai. Norint vėl dirbti su mašina, reikia ją išjungti ir vėl įjungti.

Taaskäivituskaitse
Sisselülitatud masin ei käivitu enam uuesti pärast voolukatkestust. Töö jätkamiseks lülitage masin välja ja seejärel taas sisse.

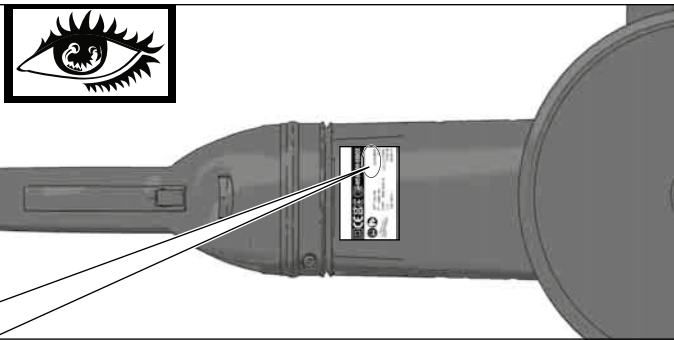
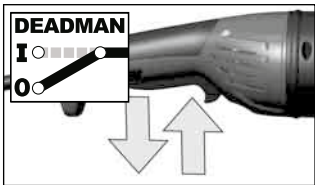
Защита от повторного включения
При исчезновении напряжения устройство не работает. Для продолжения работы устройство выключите и снова включите.

Защита от повторного пуска
След спирание на електрозахранването включената машина не започва да работи отново. За да продължите работа изключете и отново включете машината.

Protecție contra repornirii
Mașina conectată nu repornește după o întrerupere de curent. Pentru a putea lucra în continuare, mașina trebuie oprită și apoi repornită.

Защита од повторно придвижување
Включената машина во случај на снемвање струја не се вклучува повторно. За да продолжите со работа исклучете ја машината и вклучете ја повторно.

Захист від повторного запуску
Увімкнена машина не продовжує роботу після того, як була вставлена акумуляторна батарея.



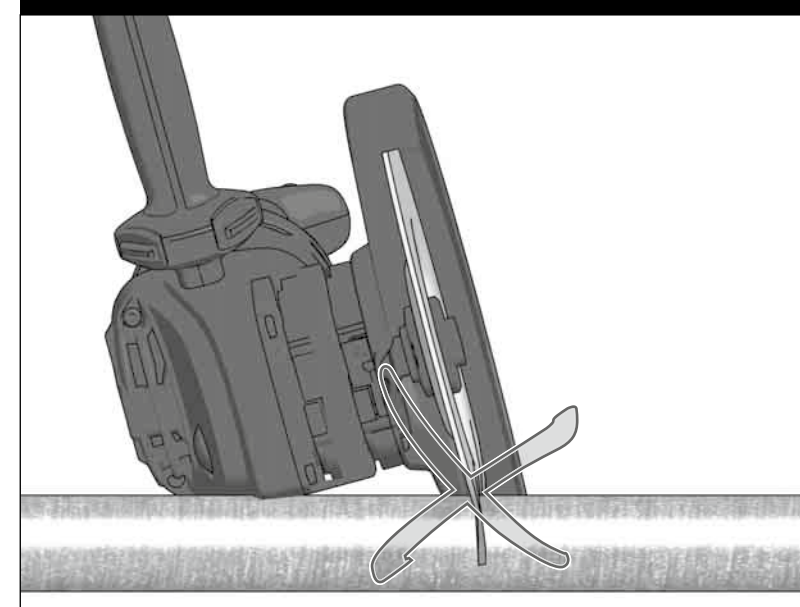
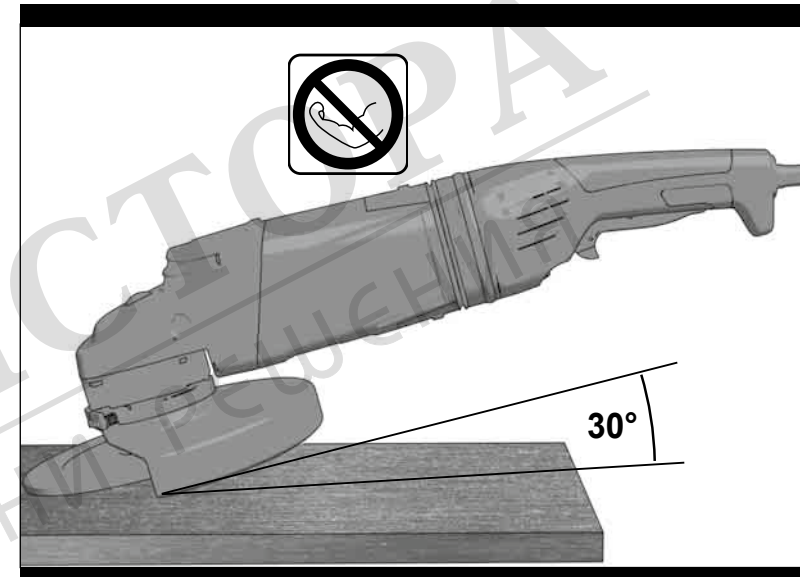
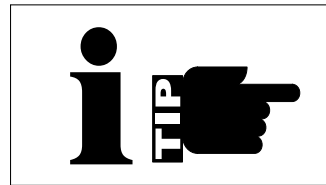
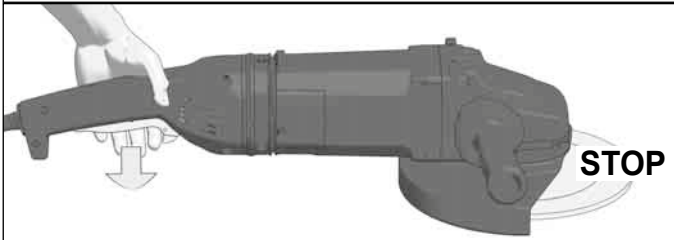
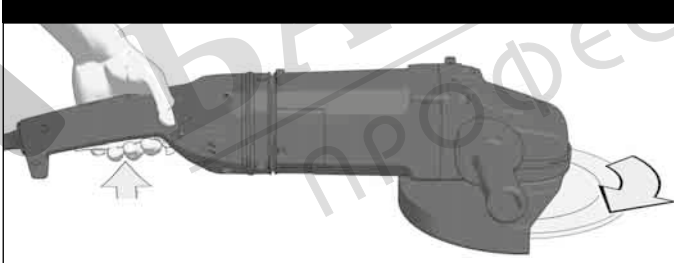
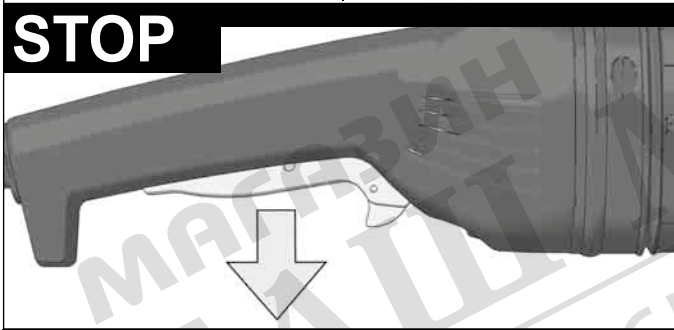
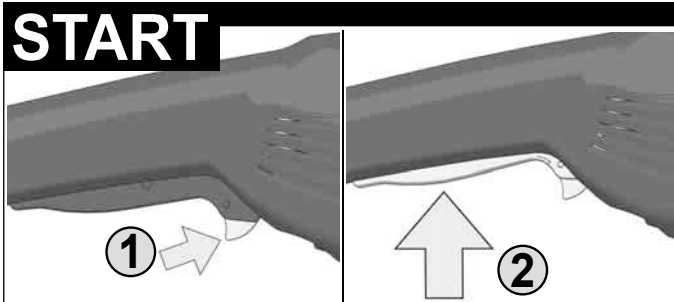
220-240 V ~ 50-60 Hz
 11 A 2400 W
 Code: 4000 4025 16 69375 C2007
 n_s = 6500 min⁻¹
 Ømax 230 mm

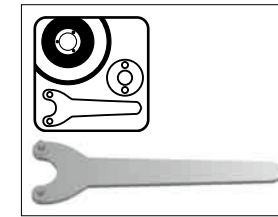
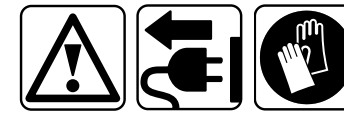
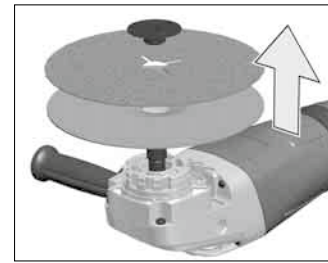
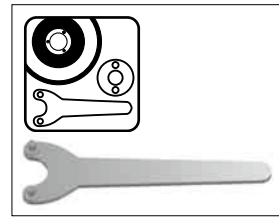
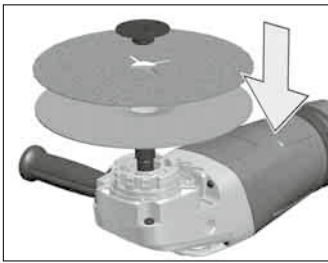
DEADMAN

CE AGVIM 24-230GX

Techtronic Industries GmbH
 Max-Eyth-Straße 10 - 71364 Winnenden-Germany

Switch cannot be locked
 Schalter ist nicht arretierbar
 Le commutateur ne peut pas être verrouillé
 L'interruttore non si può bloccare
 El interruptor no se puede bloquear.
 O interruptor não pode ser bloqueado
 Schakelaar is niet vastzetbaar
 Afbryder kan ikke fikseres
 Bryter kan ikke låses
 Brytaren kan inte arreteras.
 Katkaisinta ei voi lukita.
 Ο διακόπτης δεν μπορεί να ασφαλιστεί
 Şalter ayarlanamaz
 Vypínač není aretovateľný
 Vypínač je nie aretovateľný
 Przełącznik nie daje się zablokować
 A kapcsoló nem rögzíthető
 Stikalo ni nastavljivo
 Prekidač se ne može aretirati
 Slēdzis nav labojams
 Jungklis negali būti užblokuojamas
 Lüliti ei ole fikseeritav
 Нефиксируемый переключатель
 Превключателят не може да се фиксира
 Comutatorul nu poate fi blocat
 Прекинувачот не може да се заклуч
 Вимикач не блокується





Use only spindle nuts as provided by the manufacturer. Do not use any keyless nuts!

Benutzen Sie nur die vom Hersteller vorgesehene Spannmutter. Verwenden Sie keine Schnellspannmutter!

Utilizzare soltanto il dado di bloccaggio previsto dal produttore. Non usare dadi di bloccaggio rapido!

Utilice solamente la tuerca de apriete prevista por el fabricante. ¡No utilice ninguna tuerca de apriete rápido!

Somente uso a porca tensora prevista pelo fabricante. Nunca use porcas tensoras rápidas!

Gebruik alleen de door de fabrikant voorgeschreven spanmoer. Gebruik géén snelspanmoeren.

Benyt kun spændemøtrikken, som producenten angiver. Anvend ikke hurtigspændemøtrikker!

Bruk bare spennmuttere som er godkjent av produsenten. Bruk aldri hurtigspennmuttere!

Använd endast spännmutterar som tillhandahålls av tillverkaren.

Använd inga snabbspännmutterar!

Käytä vain valmistajan määräämiä kiinnitysmuttereita. Älä käytä pikakiinnitysmuttereita!

Χρησιμοποιείτε μόνο το προβλεπόμενο από τον κατασκευαστή παζμύδα σύσφιξης. Μην χρησιμοποιείτε παζμύδα ταχείας σύσφιξης!

Sadece imalatçı tarafından öngörülen germe somunlarını kullanınız.

Hızlı germe somunları kullanmayınız!

Používejte pouze upínací matici určenou výrobcem. Nepoužívejte žádné rychloupínací matice!

Použite len výrobcom určenú upínaciu maticu. Nepoužívajte žiadne rýchloupínacie matice!

Stosować jedynie nakrętkę mocującą, przewidzianą przez producenta.

Nie stosować szybkoszaciskowych nakrętek mocujących! Csak a gyártó által javasolt szorítóanyát használja. Ne használjon gyorszorító anyát!

Uporabljajte zgolj s strani proizvajalca predvidene vpenjalne matice. Ne uporabljajte hitrovpenjalnih matic!

Koristite samo od strane proizvođača predviđenu zateznu maticu. Nemojte koristiti nikakve brzopritezne matice!

Izmantojiet tikai vārpstu uzgriežņus, kā to paredz ražotājs. Neizmantojiet uzgriežņus bez atslēgas palīdzības

Naudokite tik gamintojo nurodytą įtempimo varžtę. Kasutage ainult tootja ettenähtud võllimutreid.

Árge kasutage kiirmutreid!

Используйте только предусмотренные производителем натяжные гайки. Не используйте быстронатяжные гайки!

Используйте само предвидените от производителя затягащи гайки. Не използвайте бързозатягащи гайки!

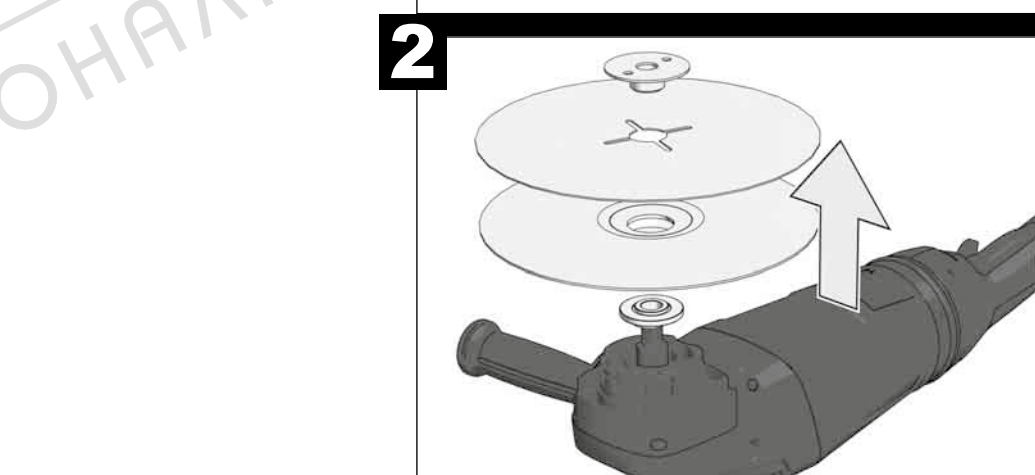
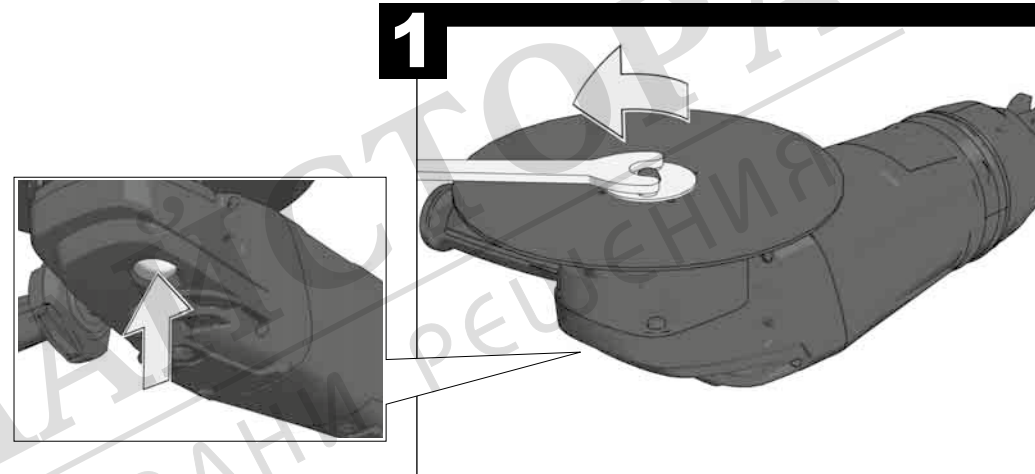
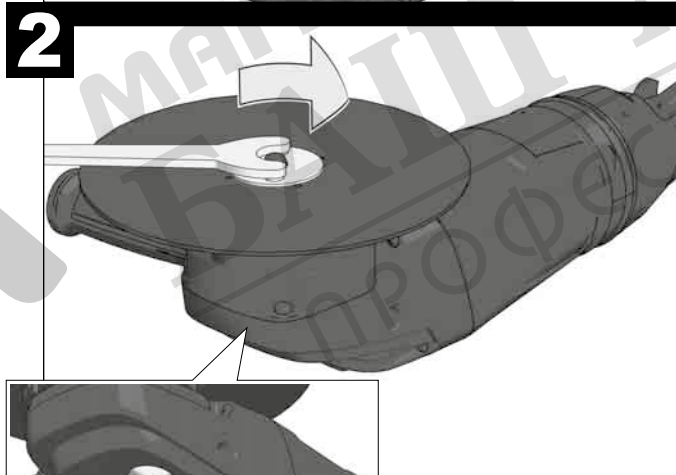
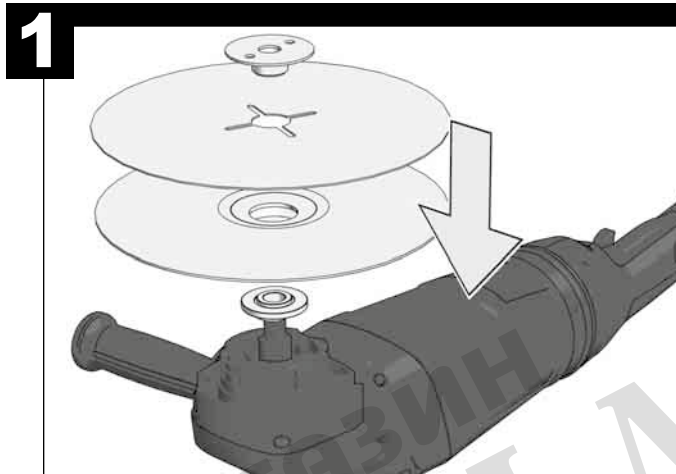
Utilizati numai piulițele de strângere recomandate de către producător.

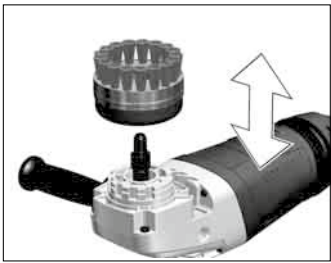
Nu utilizați niciodată piulițe de strângere rapide!

Употребуйте само разделна навртка што е предвидена од страна на производителот. Не употребуйте брзи разделни навртки!

Употребуйте само разделна навртка што е предвидена од страна на производителот. Не употребуйте брзи разделни навртки!

Употребуйте само разделна навртка што е предвидена од страна на производителот. Не употребуйте брзи разделни навртки!



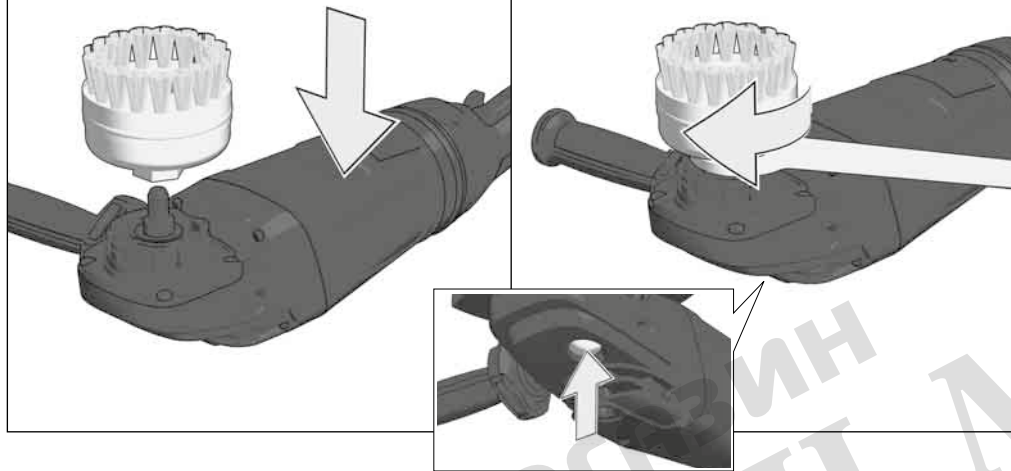


Accessory
Zubehör
Accessoire
Accessorio
Accessorio
Accessório
Toebehoren

Tilbehør	Oprema
Tilbehør	Pribor
Tilbehør	Papildus
Lisälaite	aprikojums
Εξάρτηματα	Priedas
Αksesuar	Tarvikud
Príslušenství	Принадлежности
Príslušenstvo	Аксесоар
Element	Ассесории
vyposażenia	Додатоци
dodatkowego	Комплектувачі
Tartozék	

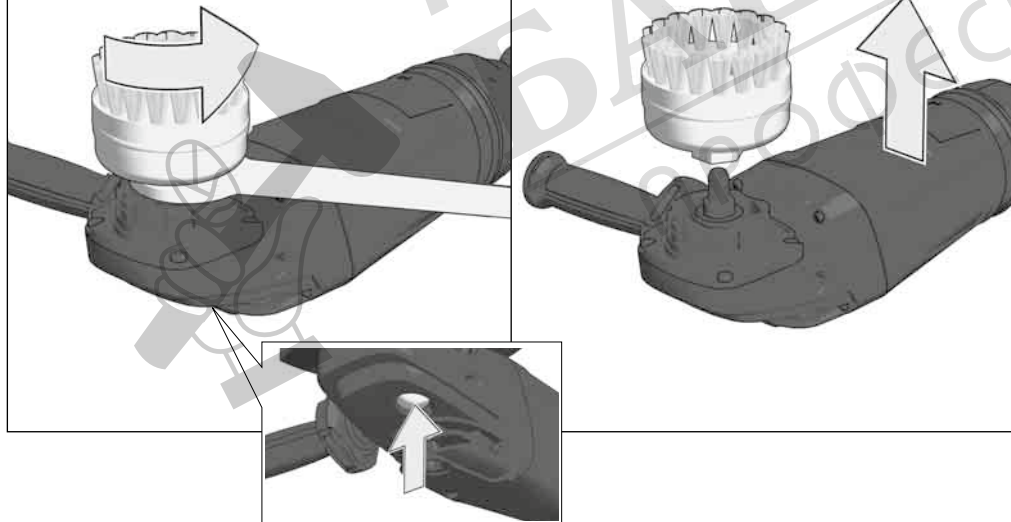
1

2







1

2



МАЙСТОРА®
ПРОФЕСІОНАЛНИ РЕШЕНИЯ

TECHNICAL DATA	AGVM 24-230 GEX	AGVM 26-230 GEX
Angle Grinder		
Production code	4556 10 03... 4556 15 03... 4769 02 02... 4769 05 02... ...000001-999999	4556 13 03... 4556 17 03... 4769 12 02... 4769 14 02... ...000001-999999
Rated input	2400 W	2600 W
Rated speed	6600 min ⁻¹	6600 min ⁻¹
D=Grinding disk diameter max. d=Grinding disk hole diameter	230 mm 22,2 mm	230 mm 22,2 mm
 b=Grinding disk thickness max.	6 mm (1/4")	6 mm (1/4")
 b=Cutting disk thickness min. / max.	1,9 / 3 mm	1,9 / 3 mm
 D=Grinding surface diameter max.	230 mm	230 mm
 D=Wiring brush diameter max.	100 mm	100 mm
Thread of work spindle	M14	M14
Weight according EPTA-Procedure 01/2014	5,8 kg	5,8 kg
Noise/Vibration Information Measured values determined according to EN 60 745. Typically, the A-weighted noise levels of the tool are: Sound pressure level (Uncertainty K=3dB(A)) Sound power level (Uncertainty K=3dB(A))	93 dB(A) 104 dB(A)	93 dB(A) 104 dB(A)
Wear ear protectors! Vibration total values (triaxial vector sum) determined according to EN 60745. Surface grinding: Vibration emission value a _{h,SG} Uncertainty K Sanding Vibration emission value a _{h,DS} Uncertainty K	2,5 m/s ² 1,5 m/s ² 2,5 m/s ² 1,5 m/s ²	2,5 m/s ² 1,5 m/s ² 2,5 m/s ² 1,5 m/s ²
For other applications, e.g. Abrasive Cutting-Off Operations or Wire Brushing other vibration values could occur.		

WARNING

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns

⚠ 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.**

⚠ ANGLE GRINDER SAFETY WARNINGS

Safety Warnings Common for Grinding, Sanding, Wire Brushing or Abrasive Cutting-Off Operations:

a) This power tool is intended to function as a grinder, sander, wire brush, or cut-off tool. Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

b) Operations as polishing are not recommended to be performed with this power tool. Operations for which the

power tool was not designed may create a hazard and cause personal injury.

c) Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.

d) The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can break and fly apart.

e) The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.

f) The arbour size of wheels, flanges, backing pads or any other accessory must properly fit the spindle of the power tool. Accessories with arbour holes that do not match the

mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.

g) Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute. Damaged accessories will normally break apart during this test time.

h) Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or workpiece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.

i) Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.

j) Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting tool may contact hidden wiring or its own cord. Cutting accessory contacting a „live“ wire may make exposed metal parts of the power tool „live“ and could give the operator an electric shock.

k) Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.

l) Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.

m) Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.

n) Regularly clean the power tool's air vents. The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.

o) Do not operate the power tool near flammable materials. Sparks could ignite these materials.

p) Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

Kickback and Related Warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

a) Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces, if proper precautions are taken.

b) Never place your hand near the rotating accessory. Accessory may kickback over your hand.

c) Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.

d) Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

e) Do not attach a saw chain, woodcarving blade or toothed saw blade. Such blades create frequent kickback and loss of control.

Safety Warnings Specific for Grinding and Abrasive Cutting-Off Operations:

a) Use only wheel types that are recommended for your power tool and the specific guard designed for the selected wheel. Wheels for which the power tool was not designed cannot be adequately guarded and are unsafe.

b) The grinding surface of the centre depressed wheels must be mounted below the plane of the guard lip. An improperly mounted wheel that projects through the plane of the guard lip cannot be adequately protected.

c) The guard must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator. The guard helps to protect the operator from broken wheel fragments, accidental contact with wheel and sparks that could ignite clothing.

d) Wheels must be used only for recommended applications. For example: do not grind with the side of cut-off wheel. Abrasive cut-off wheels are intended for peripheral grinding, side forces applied to these wheels may cause them to shatter.

e) Always use undamaged wheel flanges that are of correct size and shape for your selected wheel. Proper wheel flanges support the wheel thus reducing the possibility of wheel breakage. Flanges for cut-off wheels may be different from grinding wheel flanges.

f) Do not use worn down wheels from larger power tools. Wheel intended for larger power tool is not suitable for the higher speed of a smaller tool and may burst.

Additional Safety Warnings Specific for Abrasive Cutting-Off Operations:

a) Do not "jam" the cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut. Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.

b) Do not position your body in line with and behind the rotating wheel. When the wheel, at the point of operation, is moving away from your body, the possible kickback may propel the spinning wheel and the power tool directly at you.

c) When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion otherwise kickback may occur. Investigate and take corrective action to eliminate the cause of wheel binding.

d) Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully re-enter the cut. The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.

e) Support panels or any oversized workpiece to minimize the risk of wheel pinching and kickback. Large workpieces tend to sag under their own weight. Supports must be placed under the workpiece near the line of cut and near the edge of the workpiece on both sides of the wheel.

f) Use extra caution when making a "pocket cut" into existing walls or other blind areas. The protruding wheel

may cut gas or water pipes, electrical wiring or objects that can cause kickback.

Safety Warnings Specific for Sanding Operations:

a) Do not use excessively oversized sanding disc paper. Follow manufacturers recommendations, when selecting sanding paper. Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc or kickback.

Safety Warnings Specific for Wire Brushing Operations:

a) Be aware that wire bristles are thrown by the brush even during ordinary operation. Do not overstress the wires by applying excessive load to the brush. The wire bristles can easily penetrate light clothing and/or skin.

b) If the use of a guard is recommended for wire brushing, do not allow any interference of the wire wheel or brush with the guard. Wire wheel or brush may expand in diameter due to work load and centrifugal forces.

Additional Safety and Working Instructions

When grinding metal, flying sparks are produced. Take care that no persons are endangered. Because of the danger of fire, no combustible materials should be located in the vicinity (spark flight zone). Do not use dust extraction.

Avoid flying sparks and sanding dust hit your body.

Never reach into the danger area of the machine when it is running.

Immediately switch off the machine in case of considerable vibrations or if other malfunctions occur. Check the machine in order to find out the cause.

Under extreme conditions (e.g. smooth-grinding metals with the arbour and vulcanized fibre grinding disk), significant contamination can build up on the inside of the angle grinder (metal residue/deposits). For safety reasons, in such conditions a ground fault interrupter must be connected in series. If the ground fault interrupter trips the machine must be sent for service.

Sawdust and splinters must not be removed while the machine is running.

MAINS CONNECTION

Connect only to single-phase AC current and only to the system voltage indicated on the rating plate. It is also possible to connect to sockets without an earthing contact as the design conforms to safety class II.

Appliances used at many different locations including wet room and open air must be connected via a residual current device (FI, RCD, PRCD) of 30mA or less.

Only plug-in when machine is switched off.

Do not let any metal parts reach the airing slots - danger of short circuit!

Inrush currents cause short-time voltage drops. Under unfavourable power supply conditions, other equipment may be affected. If the system impedance of the power supply is lower than 0,2 Ohm, disturbances are unlikely to occur.

SPECIFIED CONDITIONS OF USE

The angle grinder is intended for grinding and cutting metal, stone and ceramic materials as well as sanding and wire brushing.

Use the safety guard from the accessories range when performing out cutting work.

Please refer to the instructions supplied by the accessory manufacturer

The machine is suitable only for working without water.

WORKING INSTRUCTIONS

For accessories intended to be fitted with threaded hole wheel, ensure that the thread in the wheel is long enough to accept the spindle length.

Always use and store the cutting and grinding disks according to the manufacturer's instructions.

Always use the correct guard for cutting and grinding.

Always use guard with cutting guide from the accessories range for cutting stone.

The adjusting nut must be tightened before starting to work with the machine.

Always use the auxiliary handle.

The workpiece must be fixed if it is not heavy enough to be steady. Never move the workpiece towards the rotating disk by hand.

STARTUP PROTECTION

Machines with a lockable switch are supplied with a restart cutout. This prevents the machine restarting by itself after a power failure. When resuming work, switch the machine off and then switch it back on again.

STARTING CURRENT LIMITER + SMOOTH START

The starting current for the machine is several times greater than rated current. The starting current limiter reduces the starting current to such an extent that a fuse (16 A, slow-blow) is not tripped.

Electronic smooth start for save use prevents jerky run-up of the machine.

MAINTENANCE

The ventilation slots of the machine must be kept clear at all times.

If the supply cord of this power tool is damaged, it must be replaced by a specially prepared cord available through the service organization.

Use only Milwaukee accessories and spare parts. Should components need to be replaced which have not been described, please contact one of our Milwaukee service agents (see our list of guarantee/service addresses).

If needed, an exploded view of the tool can be ordered. Please state the Article No. as well as the machine type printed on the label and order the drawing at your local service agents or directly at: Techtronic Industries GmbH, Max-Eyth-Straße 10, 71364 Winnenden, Germany.

EC-DECLARATION OF CONFORMITY

We declare as the manufacturer under our sole responsibility that the product described under "Technical Data" fulfills all the relevant regulations and the directives 2011/65/EU (RoHS), 2014/30/EU, 2006/42/EC, and the following harmonized standards have been used:

EN 60745-1:2009+A11:2010
EN 60745-2-3:2011+A2:2013
EN 55014-1:2017+A11:2020
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013
EN IEC 63000:2018

Winnenden, 2021-01-20



Alexander Krug
Managing Director

Authorized to compile the technical file.

Techtronic Industries GmbH
Max-Eyth-Straße 10
71364 Winnenden
Germany



GB-DECLARATION OF CONFORMITY

We declare as the manufacturer under our sole responsibility that the product described under "Technical Data" fulfills all the relevant provisions of the following Regulations S.I. 2008/1597 (as amended), S.I. 2016/1091 (as amended), S.I. 2012/3032 (as amended) and that the following designated standards have been used:

BS EN 60745-1:2009+A11:2010
BS EN 60745-2-3:2011+A13:2015
BS EN 55014-1:2017+A11:2020
BS EN 55014-2:2015
BS EN 61000-3-2:2014
BS EN 61000-3-3:2013
BS EN IEC 63000:2018

Winnenden, 2021-01-20



Alexander Krug
Managing Director

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71364 Winnenden
Germany

SYMBOLS



CAUTION! WARNING! DANGER!



Always disconnect the plug from the socket before carrying out any work on the machine.



Please read the instructions carefully before starting the machine.



Always wear goggles when using the machine.



Wear gloves!



Do not use force.



Only for grinding.



Only for cutting work.



Accessory - Not included in standard equipment, available as an accessory.



Do not dispose of electric tools together with household waste material. Electric tools and electronic equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. Check with your local authority or retailer for recycling advice and collection point.



Class II tool, tool in which protection against electric shock does not rely on basic insulation only, but in which additional safety precautions, such as double insulation or reinforced insulation, are provided.

There being no provision for protective earthing or reliance upon installation conditions.



European Conformity Mark



British Conformity Mark



Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements.



Ukraine Conformity Mark



Eurasian Conformity Mark