MANUAL DE UTILIZARE / USER'S MANUAL
FERASTRAU CIRCULAR / CIRCULAR SAW CS1400



CE

INFORMATII REPARATII IN GARANTIE PE ULTIMA PAGINA

RO

Va multumim pentru achizitionarea acestui produs EVOTOOLS, fabricat conform celor mai inalte standarde de siguranta si de functionare.



Avertizare! Pentru siguranta dumneavoastra cititi cu atentie acest manual si instructiunile generale de siguranta inaintea utilizarii echipamentului. Nerespectarea acestor reguli poate avea ca rezultat producerea electrocutarilor, a incendiilor si/sau a ranirilor personale.

Simboluri

Simbolurile utilizate in manual sau pe produs au urmatoarele semnificatii:

	ATENTIE!		Cititi manualul inainte de utilizare
	Purtati ochelari de protectie		Purtati protectii antifonice
	Purtati manusi de protectie		Izolatie dubla
	Produsul este in conformitate cu standardele de siguranta ale Directivelor Europene		Produsul nu trebuie aruncat impreuna cu gunoiul menajer. Acesta trebuie dus la centrele specializate de colectare si reciclare a deseurilor electrice.

Masuri de siguranta generale pentru uneltele electrice

Zona de lucru

- Pastrati zona de lucru curata si bine iluminata. Umiditatea si zonele intunecate pot crea accidente
- Nu utilizati unealta in zonele cu potential exploziv, de exemplu in prezenta lichidelor, gazelor sau particulelor inflamabile. Uneltele electrice genereaza scantei care pot aprinde aceste materiale.
- Nu lasati copiii sau persoanele neautorizate in zona de lucru. Distragerea atentiei poate cauza pierderea controlului uneltei.
- Inainte de utilizare, asigurati-va ca nu exista persone sau obiecte in zona de lucru care pot fi vatamate, respectiv deteriorate de resturile de debitare care pot fi antrenate in directia acestora.

Masuri de siguranta a echipamentului in exploatare



ATENTIE! Verificati intotdeauna ca tensiunea de alimentare sa corespunda cu cea inscrisa pe placuta uneltei.

- Nu rasuciti cablul electric de alimentare al uneltei!
- Nu transportati unealta tinand-o de cablul electric si nu trageti de cablul electric pentru a o scoate din priza.
- Tineti cablul electric de alimentare a masinii la distanta fata de sursele de caldura, de petele de ulei, de grasimi, de obiectele ascutite si sursele care emana caldura.

- Verificati stecherul si cablul electric in mod regulat si in caz de deteriorare a acestora apelati la un electrician autorizat.
- Nu utilizati unealta in conditii de ploaie sau umiditate excesiva. Patrunderea apei in interiorul uneltei creste riscul unui scurtcircuit.
- Folositi cabluri de prelungire care sunt atestate si marcate in mod corespunzator pentru utilizarea in mediul exterior.
- Nu suprasolicitati unealta electrica! Masina poate fi folosita in conditii de siguranta daca sunt respectati parametrii de exploatare care o caracterizeaza. Nu utilizati unelte electrice cu un alt scop fata de cel pentru care sunt destinate.

Masuri de siguranta personala

- Intotdeauna utilizati o imbracaminte adecvata.Nu purtati haine largi sau bijuterii. Daca aveti parul lung, acesta trebuie legat. Apare riscul prinderii acestora de catre partile componente ale masinii aflate in miscare.
- Utilizati echipament de protectie: ochelari, manusi si casti antifonice.

Service

- Repararea trebuie realizata numai de catre personal autorizat prin inlocuirea cu accesorii si piese de schimb originale pentru a se evita producerea accidentelor datorate reparatiilor necorespunzatoare.

Masuri de siguranta specifice ferastraului circular

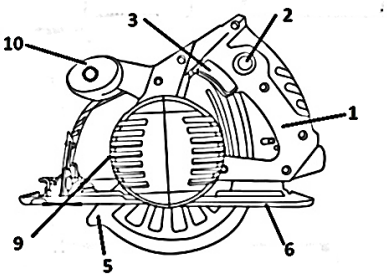
- Verificati functionarea corecta a aparatorii de protectie. Nu utilizati aparatul fara aparatoarea de protectie sau daca aceasta este avariata.
- In timpul functionarii prindeti ferm echipamentul cu ambele maini atat pentru o stabilitate buna cat si pentru evitarea riscului accidentarii prin taiere.
- Protejati-va impotriva reculului. In situatia in care discul se blocheaza din orice motiv in materialul prelucrat, eliberati imediat comutatorul pornit/oprit (3) si fara a incerca sa scoateti discul din material, asteptati oprirea completa a acestuia. Pentru reluarea lucrului pozitionati corect discul in taietura existenta fara ca dintii sa atinga materialul, dupa care apasati comutatorul (3) pentru pornire.
- Nu porniti echipamentul decat in pozitia lui de lucru.
- Conectati echipamentul la dispozitivul de evacuare si colectare a prafului (sac sau aspirator).

Domeniu de utilizare.

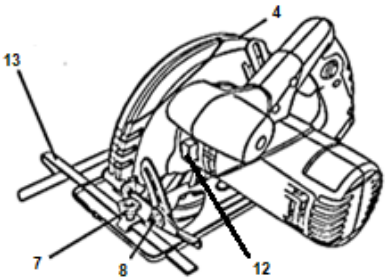
Ferastraul circular este utilizat pentru taierea rapida si precisa a diverselor materiale: lemn, plastic, metal prin utilizarea discurilor adecvate fiecarui tip de material.
NU ESTE PROIECTAT PENTRU UZ INDUSTRIAL!

Parti componente:

1. Maner principal
2. Comutator pornit/oprit
3. Buton blocare impotriva pornirii accidentale
4. Duza evacuare praf
5. Aparatoare de siguranta
6. Talpa de aluminiu
7. Surub fixare sina ghidare
8. Surub reglare unghi de taiere
9. Levier reglare adancime
10. Maner frontal
11. Levier actionare aparatoare



12. Levier blocare disc



Accesorii

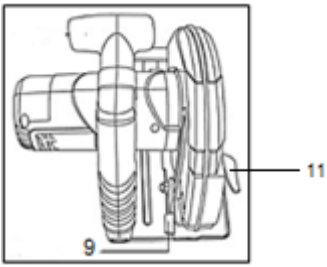
13. Sina de ghidare
14. Cheie imbus
15. Panza circulara vidia (185 x 20 x 2.5mm)

Pregatirea pentru punerea in functiune

ATENTIE! Deconectati alimentarea cu energie electrica inaintea inceperii oricarei operatiuni de reglare, intretinere sau montaj

Inlocuire disc

1. Apasati levierul de blocare (12) pozitionat in fata manerului frontal si rotiti discul pana se blocheaza.
2. Cu ajutorul cheii imbus desurubati in sens invers acelor de ceasornic surubul central de fixare.
3. Scoateti flansa exterioara, ridicati aparatoarea si scoateti panza.
4. Curatati aparatoarea de protectie de depunerile existente. Pozitionati discul nou in locas astfel incat sensul sagetii de pe disc sa fie acelasi cu sensul de rotatie al echipamentului. Montati piesele in ordine inversa demontarii. Blocati axul actionand (12) si asigurati-va ca surubul este bine strans.
5. In cazul in care martorul de tensiune nu este aprins (culoarea verde) cu tensiune in retea, produsul trebuie verificat de catre personal autorizat. Cauzele sunt: cablu interupt, arderea martorului, stecher stricat.

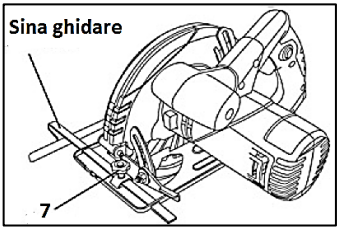


Reglare unghi de taiere

Pentru reglarea unghiului de taiere intre 0-45 grade, slabiti surubul (8) si fixati talpa in pozitia dorita, conform scalei, dupa care strangeti surubul.

Reglare adancime de taiere

Pentru reglarea adancimii de taiere actionati levierul (9) in sus, reglati adancimea de taiere dorita si apoi reveniti la pozitia initiala prin apasarea in jos a levierului pentru stangere si fixare.



Montare sina de ghidare

Culisati sina de ghidare in locasul ei, reglati distanta de taiere dorita si strangeti surubul (7).

Functia laser

Pentru utilizarea laserului comutati stanga-dreapta (pornire-oprire) comutatorul existent pe carcasa acestuia.



Utilizare



ATENTIE! IN CAZUL IN CARE APAR ZGOMOTE ANORMALE IN FUNCTIONARE OPRITI IMEDIAT UNEALTA SI ADRESATI-VA UNUI SERVICE AUTORIZAT PENTRU CONSTATARI SI REPARATII.



ATENTIE! Utilizati intotdeauna discuri de tipul, dimensiunile si turatia corespunzatoare echipamentului. Nu utilizati discuri uzate sau fisurate.



NU UTILIZATI DISCURI DIN OTEL RAPID!

Executare taieturi drepte

1. Reglati unghiul si adancimea de taiere. Pozitionati sina de ghidare paralel cu marginea piesei de prelucrat.
2. Prindeti ferm echipamentul cu ambele maini si tineti degetele departe de dintii discului
3. Pentru pornire apasati butonul de blocare (3) si comutatorul (2), avand grija ca dintii discului sa nu atinga materialul.
4. Cu discul la turatie maxima inaintati usor pentru executarea taieturii.
5. Cand taietura este completa, eliberati comutatorul (2). Nu ridicati ferastraul pana la oprirea completa din rotatie a discului.

Curatare si intretinere



ATENTIE! Inainte de orice interventie asupra echipamentului, deconectati alimentarea cu energie electrica de la retea.

Curatare

- Regulat, de preferat dupa fiecare utilizare curatati echipamentul cu o carpa moale. Daca murdaria persista, utilizati o carpa umezita intr-o solutie de apa si sapun.
- NU utilizati solventi (ca de exemplu: petrol si derivati, alcool) intrucat acestia pot deteriora partile din plastic.

Intretinere

Echipamentul nostru a fost proiectat astfel incat sa poata fi utilizat pentru o perioada indelungata cu un minimum de intretinere.Veti putea obtine intotdeauna o satisfactie maxima in timpul utilizarii respectand indicatiile de mai sus.

Date tehnice

Tensiune / Frecventa	230V ~ 50Hz
Putere nominala	1400W
Turatie in gol	4500 rpm
Diametru disc	185 mm
Adancime maxima de taiere la 90º	63 mm
Adancime maxima de taiere la 45º	43 mm
Nivel de zgomot	LwA= 100.3 dB(A), K = 3 dB(A) LpA= 89.3 dB(A), K = 3 dB(A)
Nivel vibratii (maner principal)	ah,w= 4.257 m/s²
Nivel vibratii (maner auxiliar)	ah,w= 2.352 m/s², k = 1.5 m/s²
Ghidaj taiere	Laser (baterii: 2xLR44)
Clasa laser	2
Clasa de izolatie	II
Grad de protectie	IP20
Accesorii	Disc vidia (185 x 20 x 2.5mm) Cheie imbus Sina ghidaj
Greutate	5,25 kg

Depozitare

- Depozitati unealta electrica intr-un spatiu inaccesibil copiilor intr-o pozitie stabila si sigura intr-un loc racoros si uscat, evitand temperaturile prea ridicate sau scazute.
- Protejati unealta electrica fata de actiunea directa a razelor solare si pastrati-o intr-un loc intunecos, daca este posibil.
- Nu pastrati unealta ambalata in folie sau punga de plastic pentru a evita acumularea umiditatii.

Garantie

Garantia acopera toate materialele componente si viciile de fabricatie cu exceptia,fara insa a fi limitate la:

- Componente sau accesorii uzate ca urmare a unei exploatari normale (panza, talpa de lucru, perii colectoare, etc).
- Defecte cauzate de o exploatare intretinere, depozitare necorespunzatoare, modificari neautorizate asupra echipamentului, costul transportului.
- Pagube materiale si leziuni corporale rezultate in urma exploatarii necorespunzatoare a echipamentului.
- Deteriorari cauzate de lichide, patrundere excesiva de praf, distrugere intentionata, utilizare inadecvata (pentru scopuri in care acest echipament nu este proiectat), etc.

Thank you for buying this EVOTOOLS product, manufactured according to the highest safety and performance standards.



WARNING! For your own safety, read this manual and the general safety Instructions carefully before using the appliance. Your power tool should only be given to other users together with these instructions.

Symbols

In this manual and/or on the machine the following symbols are used:

	Warning / Danger!		Wear ear protection
	Read manual before use		wear eye protection
	In accordance with essential applicable safety standards of Duropean Directives		Double insulated

Working area

- Keep working area clean and well lit. Untidy and dark areas can lead to accidents.
- Do not operate power tools in potentially explosive surroundings, for example, in the presence of inflammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders at a distance when operating a power tool. Distractions can cause you to lose control of it.

Electrical safety



Always check that the power supply corresponds to the voltage on the rating plate.

- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 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.
- 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.

Personal safety

- Use safety equipment. Always wear eye protection. Using safety equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection whenever it is needed will reduce the risk of personal injury.
- Avoid accidental starts. Ensure the switch is in the off position before inserting the plug. Carrying power tools with your finger on the switch or plugging in power tools when the

switch is in the on position makes accidents more likely.

Service

Your power tool should be serviced by a qualified specialist using only standard spare parts. This will ensure that it meets the required safety standards.

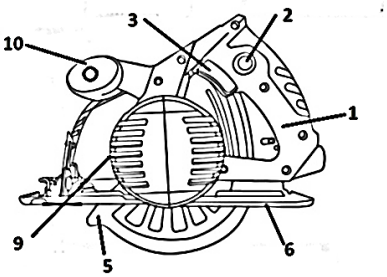
Specific safety instructions for circular saw

- Check lower guard for proper closing before each use. Do not operate without protective guard or if it is damaged.
- Remove adjusting key and wrenches key before turning the power tool on
- During operation maintain a firm grip with both hands for a proper balance and to avoid the risk of injury by cutting.
- Protect against kickback. When blade is binding in material processing, release on / off switch (2) and hold the saw motionless in the material until the blade comes to a complete stop. To resume work center the blade in the kerf and check that teeth are not engaged into the material, then press the switch (2) to start.
- Operate powertool only in working position.
- Connect powertool to the dust extraction equipment (bag or vacuum cleaner)

Application

Circular saw is used for cutting fast and accurate various materials: wood, plastic, metal, by using specific discs for each type of material.
IT IS NOT DESIGNED FOR PROFFESIONAL USE.

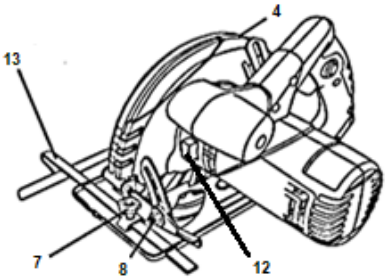
Description



1. Main handle
2. Switch ON / OFF
3. Lock button against accidental start
4. Dust tube
5. Disc guard
6. Aluminium base plate
7. Guide rule fixing screw
8. Angle adjust wing nut
9. Depth adjustment lever
10. Front handle
11. Guard lever
12. Spindle lock lever

Accessories

13. Guide fence
14. Allen key
15. Circular disk vidia (185 x 20 x 2.5mm)



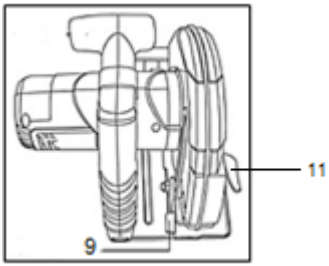
Assembly

Disconnect the power plug before carrying out any adjustments or maintenance.

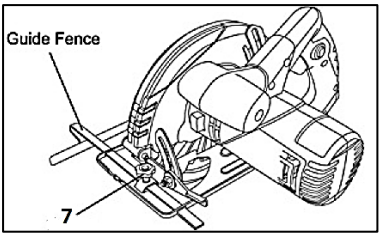
Installing a saw blade

1. Press the spindle lock lever (12) positioned near the front handle and rotate the blade until it

locks.
2. Use the wrench clockwise to unscrew the central fixing screw.
3. Remove the outer flange, lift disc guard and remove the disc
4. Clean the disc guard from debris. Put disc back into place so that the arrow direction from disc to be the same as the rotation direction of the power tool. Assemble the parts in reverse order. Lock the spindle acting (12) and make sure the screw is tight.

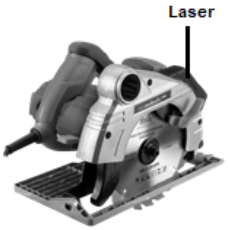


Adjusting bevel cutting angle
To adjust the bevel cutting angle between 0 – 45 degrees, loose angle adjust wing nut (8) and move the base plate to the desired angle, according to bevel scale. Tighten wing nut.



Adjusting the depth of cut
To adjust the cutting depth, move the lever (9) upwards, adjust the desired cutting depth, and then return to the initial position by pressing down the lever lever for clamping and clamping.

Fixing guide rule
Slide the guide rule into the base plate and tighten screw (7).



Laser function
To use laser, switch left and right (on-off) to the existing switch on case.

Operation

WARNING! In case of any abnormal noise, immediately turn off the tool and contact an authorized service facility for repairs.

Use the appropriate type of blade for the material you are cutting. Do not use damage blades.

DO NOT USE SPEED STEEL BLADES!

1. Set the cutting angle and depth of cut and position the rail guide parallel to the edge of the workpiece.
2. Hold powertool firmly by both hands and keep fingers away from the saw blade.
3. Start powertool by pressing lock button (2) and switch (3), before the saw blade touches the material.
4. With the saw at full speed, move the saw slowly forward to complete the cut.
5. When the cut is complete release the switch trigger. Do not set the saw down until the blade stops running.

Cleaning and maintenance



Before performing any work on the equipment, pull the power plug.

Cleaning

- Regularly clean the machine housing with a soft cloth, preferably after each use. If the dirt does not come off use a soft cloth moistened with soapy water.
- Never use solvents such as petrol, alcohol, ammonia water, etc. These solvents may damage the plastic parts.

Maintenance

Our machines have been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper machine care and regular cleaning.

Technical data

Voltage/Frequency	230V ~ 50Hz
Input power	1400W
No load speed	4500 rpm
Saw blade diameter	185 mm
Max sawing depth at 90°	63 mm
Max sawing depth at 45°	43 mm
Noise level	LwA= 100.3 dB(A), K = 3 dB(A) LpA= 89.3 dB(A), K = 3 dB(A)
Vibration level (main handle)	ah,w= 4.257 m/s²
Vibration level (auxiliary handle)	ah,w= 2.352 m/s², k = 1.5 m/s²
Cutting guide	Laser (batteries: 2xLR44)
Laser class	2
Insulation class	II
Degree of protection	IP20
Accessory	Circular disk vidia (185 x 20 x 2.5mm) Allen key Guide fence
Weight	5,25 kg

Storage

- Thoroughly clean the whole machine and its accessories.
- Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.
- Protect it from exposure to direct sunlight. Keep it in the dark, if possible.
- Don't keep it in plastic bags to avoid humidity build-up.

Warranty

This warranty covers all material or production flaws excluding:

- Damage or defects resulting from maltreatment, accidents or alterations; nor the transportation cost
- Defective parts subject to normal wear and tear such, brushes or circular disk vidia, etc .;
- We disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage, incompetent usage (e.g. not following the instructions given in the manual), inexpert assembly, lightning strike, erroneus net voltage. This list is not exhaustive.