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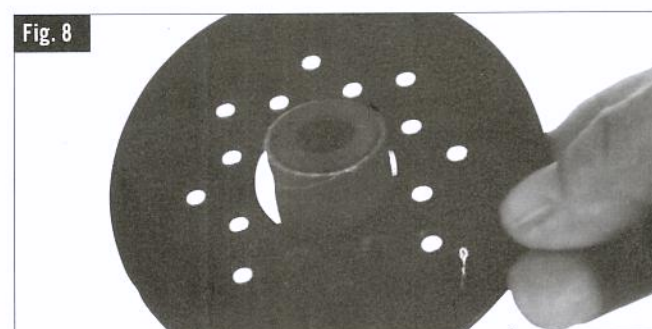
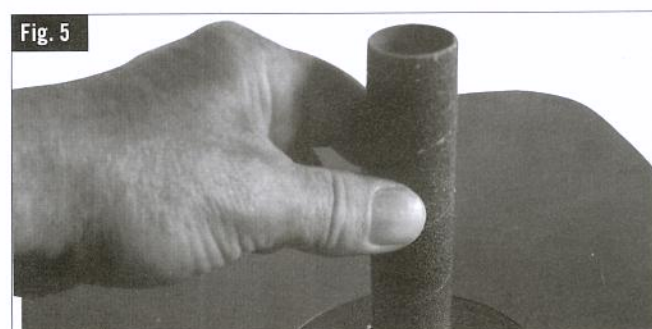
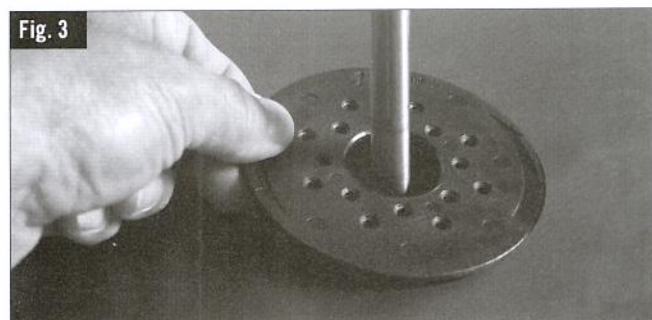
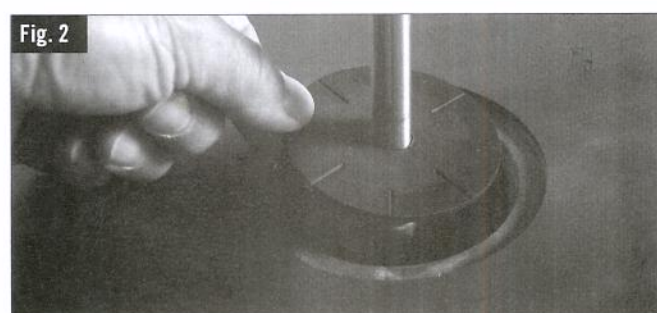
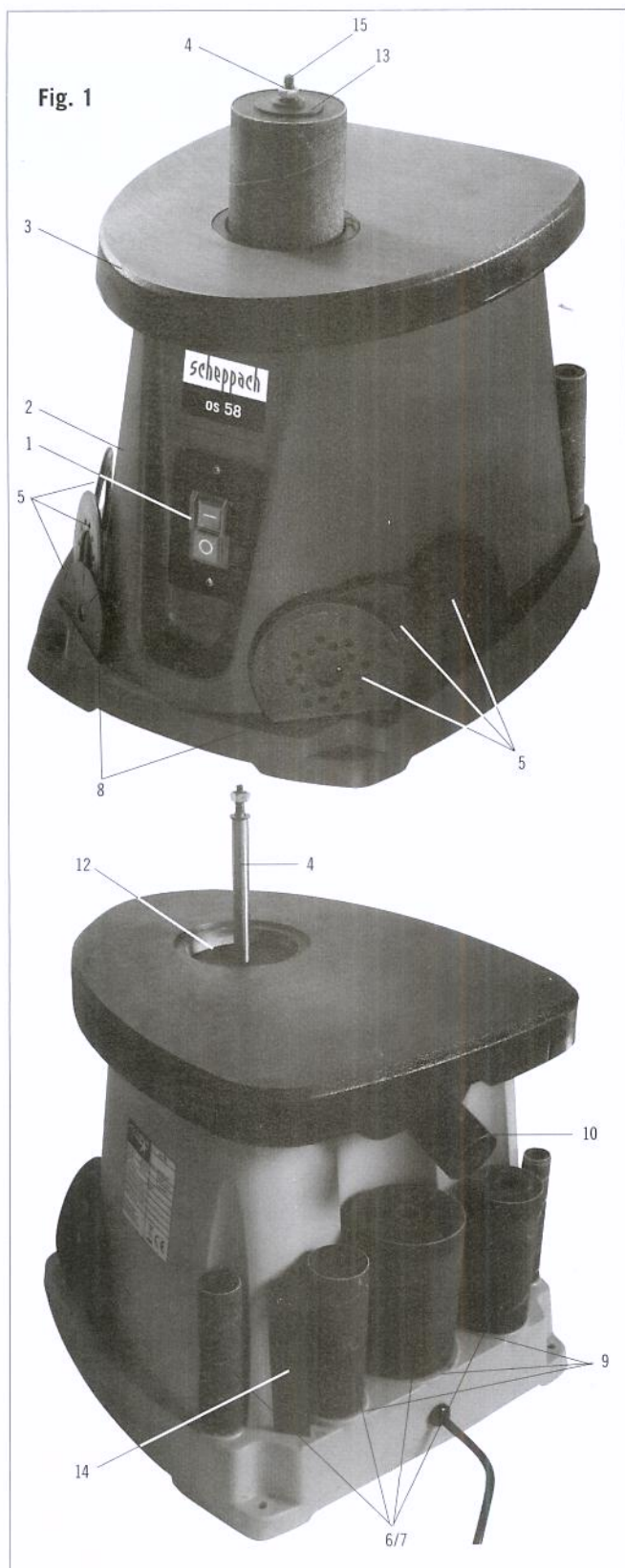
schepach

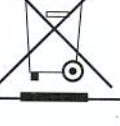
os 58

Art.-Nr. 390 3401 913

D	Oszillierende Spindelschleifmaschine Original-Anleitung
GB	Oscillating Spindle Grinding Machine Translation from the original instruction manual
FR	Ponceuse à broche oscillante Traduction du manuel d'origine





Deutschland 	Nur für EU-Länder Werfen Sie Elektrowerkzeuge nicht in den Hausmüll! Gemäß europäischer Richtlinie 2002/96/EG über Elektro- und Elektronik-Altgeräte und Umsetzung in nationales Recht müssen verbrauchte Elektrowerkzeuge getrennt gesammelt und einer umweltgerechten Wiederverwertung zugeführt werden.
Great Britain 	Only for EU countries. Do not dispose of electric tools together with household waste material! In observance of European directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.
France 	Pour les pays européens uniquement Ne pas jeter les appareils électriques dans les ordures ménagères! Conformément à la directive européenne 2002/96/EG relative aux déchets d'équipements électriques ou électroniques (DEEE), et à sa transposition dans la législation nationale, les appareils électriques doivent être collectés à part et être soumis à une recyclage respectueux de l'environnement.
Italia 	Solo per Paesi UE Non gettare le apparecchiature elettriche tra i rifiuti domestici! Secondo la Direttiva Europea 2002/96/CE sui rifiuti di apparecchiature elettriche ed elettroniche e la sua attuazione in conformità alle norme nazionali, le apparecchiature elettriche esauste devono essere raccolte separatamente, al fine di essere reimpiagate in modo eco-compatibile.
Nederlands 	Alleen voor EU-landen Geef elektrisch gereedschap niet met het huisvuil mee! Volgens de Europese richtlijn 2002/96/EG inzake oude elektrische en elektronische apparaten en de toepassing daarvan binnen de nationale wetgeving, dient gebruikt elektrisch gereedschap gescheiden te worden ingezameld en te worden afgevoerd naar een recycle bedrijf dat voldoet aan de geldende milieu-eisen.
España 	Sólo para países de la UE ¡No deseche los aparatos eléctricos junto con los residuos domésticos! De conformidad con la Directiva Europea 2002/96/CE sobre residuos de aparatos eléctricos y electrónicos y su aplicación de acuerdo con la legislación nacional, las herramientas eléctricas cuya vida útil haya llegado a su fin se deberán recoger por separado y trasladar a una planta de reciclaje que cumpla con las exigencias ecológicas.
Portugal 	Apenas para países da UE Não deite ferramentas eléctricas no lixo doméstico! De acordo com a directiva europeia 2002/96/CE sobre ferramentas eléctricas e electrónicas usadas e a transposição para as leis nacionais, as ferramentas eléctricas usadas devem ser recolhidas em separado e encaminhadas a uma instalação de reciclagem dos materiais ecológica.
Sverige 	Gäller endast EU-länder Elektriska verktyg får inte kastas i hushållssoporna! Enligt direktivet 2002/96/EG som avser äldre elektrisk och elektronisk utrustning och dess tillämpning enligt nationell lagstiftning ska uttjänta elektriska verktyg sorteras separat och lämnas till miljövänlig återvinning.
Finnland 	Koskee vain EU-maita Älä hävittää sähkötyökalua tavallisen kotitalousjätteen mukana! Vanhoja sähkö- ja elektroniikkalaitteita koskevan EU-direktiivin 2002/96/ETY ja sen maakohtaisten sovellusten mukaisesti käytetyt sähkötyökalut on toimitettava ongelmajätteen keräyspisteeseen ja ohjattava ympäristöystävälliseen kierrätykseen.
Norge 	Kun for EU-land Kast aldri elektroverktøy i husholdningsavfallet! I henhold til EU-direktiv 2002/96/EF om kasserte elektriske og elektroniske produkter og direktivets iversetning i nasjonal rett, må elektroverktøy som ikke lenger skal brukes, samles separat og returneres til et miljøvennlig gjenvinningsanlegg.
Danmark 	Kun for EU-lande Elværktøj må ikke bortskaffes som almindeligt affald! I henhold til det europæiske direktiv 2002/96/EF om bortskaffelse af elektriske og elektroniske produkter og gældende national lovgivning skal brugt elværktøj indsamles separat og bortskaffes på en måde, der skåner miljøet mest muligt.
Slovakia 	Len pre štáty EÚ Elektrické náradie nevyhadzujte do komunálneho odpadu! Podľa európskej smernice 2002/96/EG o nakladaní s použitými elektrickými a elektronickými zariadeniami a zodpovedajúcich ustanovení právnych predpisov jednotlivých krajín sa použité elektrické náradie musí zbierať oddelene od ostatného odpadu a podrobiť ekologicky šetrnej recyklácii.
Slovenia 	Samo za države EU Elektricnega orodja ne odstranjajte s hisnimi odpadki! V skladu z Evropskoj direktivo 2002/96/EG o odpani elektricni in elektronski opremi in z njenim izvajanjem v nacionalni zakonodaji je treba elektricna orodja ob koncu njihove življenjske dobe loceno zbirati in jih predati v postopek okulju prijaznega recikliranja.
Ungarn 	Csak EU-oroszágok számára Az elektromos kéziszerszámokat ne dobja a háztartási szemétkbe! A használt villamos és elektronikai készülékekről szóló 2002/96/EK irányelv és annak a nemzeti jogba való átültetése szerint az elhasznált elektromos kéziszerszámokat külön kell gyűjteni, és környezetbarát módon újra kell hasznosítani.
Hrvatska 	Samo za EU-države Električne alate ne odlažite u kućne otpatke! Prema Europskoj direktivi 2002/96/EG o starim električnim i elektroničkim strojevima i preuzimanju u nacionalno pravo moraju se istrošeni električni alati sakupljati odvojeno i odvesti u pogon za reciklažu.
Czchia 	Jen pro štáty EU Elektrické náradí nevyhazujte do komunálního odpadu! Podle evropské směrnice 2002/96/EG o nakládání s použitými elektrickými a elektronickými zařízeními a odpovídajících ustanovení právních předpisů jednotlivých zemí se použité elektrické náradí musí sbírat odděleně od ostatního odpadu a podrobit ekologicky šetrnému recyklování.

Händler:
Dealer:

Gerätetype:
Appliance type:

Gerätenummer:
Serial number:

GARANTIE – DEUTSCHLAND

Auf dieses Gerät gewähren wir Ihnen 24 Monate Garantie

1. Die Garantie erstreckt sich ausschließlich auf Material- oder Fabrikationsfehler. Schadhafte Teile werden kostenlos ersetzt, der Austausch ist kundenseitig vorzunehmen. Wir übernehmen nur Garantie für Original Scheppach-Teile.
2. Kein Garantieanspruch besteht bei: Transportschäden, Verschleißteilen, Schäden durch unsachgemäße Behandlung sowie Nichtbeachtung der Betriebsanweisung, Ausfälle der elektrischen Anlage bei Nichtbeachtung der elektrischen Vorschriften. VDE-Bestimmungen 0100, DIN 57113/VDE 0113.
3. Desweiteren können Garantieansprüche nur für Geräte geltend gemacht werden, welche von dritten Personen nicht repariert wurden.

Der Garantieschein hat nur Gültigkeit in Verbindung mit der Rechnung.

Guarantee – GREAT BRITAIN

This appliance is covered by a 24 month's guarantee

1. The guarantee covers only material and construction faults. Faulty parts are replaced free of charge, customers must carry out replacement work. We guarantee only original Scheppach parts.
2. The guarantee does not cover: Transport damage, wearing parts, damage resulting from improper use or failure to observe operating instructions, electrical faults if electrical regulations are not observed.
3. Guarantee claims are valid only if no repairs have been made by a third party. The warranty certificate is only valid with the invoice.

Garantie – FRANCE

Sur cet appareil, nous vous assurons 24 mois de garantie

1. La garantie ne prend effet que pour des défauts de matériel ou de fabrication. Les pièces défectueuses sont remplacées gratuitement, l'échange doit être accompli par le client. Nous n'assurons la garantie que pour les pièces Scheppach d'origine.
 2. La garantie ne prend pas effet lors de: Avaries de transport, pièces d'usure, dommages résultants d'une manipulation erronée, ainsi que pour les détériorations résultant d'un non respect des consignes d'utilisation et d'une défectuosité des circuits électriques lors du non respect des consignes en vigueur.
 3. De plus, le droit à la garantie ne peut être sollicité que pour des appareils n'ayant pas fait l'objet de réparation par une tierce personne.
- Le certificat de garantie n'a d'effet que sur présentation de la facture.

Garanzia – ITALIA

Per quest'apparecchio diamo una garanzia di 24 mesi

1. La garanzia si estende esclusivamente ai difetti di materiale o di fabbrica. Le parti difettose saranno ricambiate gratuitamente, la sostituzione va effettuata da parte del cliente. Ci assumiamo la garanzia solo per parti originali Scheppach.
 2. La garanzia non copre: Danni da trasporto, pezzi d'usura, danni derivati da uso improprio o dalla mancata osservazione delle istruzioni per l'uso, guasti dell'impianto elettrico dovuti all'inosservanza delle norme sull'elettricità.
 3. La garanzia decade se vengono effettuate riparazioni da persone non autorizzate.
- Il certificato di garanzia è valido solo insieme alla fattura.

Garantie – NEDERLANDS

Op dit apparaat bieden wij U 24 maanden garantie

1. De garantie heeft alleen betrekking op materiaal of fabricagefouten. Beschadigde onderdelen worden kostenlos vervangen. De vervanging wordt bij de klant doorgevoerd. Wij bieden alleen garantie op originele onderdelen van Scheppach.
 2. Er kan geen aanspraak op garantie worden gemaakt bij: Transportschade, slijtende onderdelen, schade door ondeskundige behandeling alsmede door het niet inachtnemen van de gebruiksaanwijzing, bij het uitvalven van de elektrische installatie door het niet inachtnemen van de elektrische voorschriften.
 3. Vervolgens kan er alleen aanspraak op garantie worden gemaakt, als het apparaat niet door derden werd gerepareerd.
- Deze garantieverklaring is alleen geldig in verbinding met de rekening.

Garantía – ESPAÑA

Esta máquina tiene 24 meses de garantía.

1. La garantía sólo incluye defectos de material y fabricación. Piezas defectuosas son repuestas sin gasto alguno, el montaje corre a cargo del cliente. La garantía sólo es válida a condición que se utilice piezas originales de la casa Scheppach.
 2. La garantía no incluye: piezas de desgaste, daños ocasionados por transporte, por manejo inadecuado, por inobservancia de las instrucciones.
 3. La garantía tampoco es válida para aparatos que hayan sido reparados por terceros.
- La garantía sólo es válida en combinación con la factura.

Garantia – PORTUGAL

Para este aparelho concedemos garantia de 24 meses.

1. A garantia cobre exclusivamente defeitos de material ou de fabricação. Peças avariadas são substituídas gratuitamente; cabe ao cliente efetuar a substituição. Assumimos a garantia unicamente de peças genuínas Scheppach.
 2. Não há direito à garantia no caso de: peças de desgaste, danos de transporte, danos causados pelo manejo indevido ou pela desatenção às instruções de serviço.
 3. Além disso, a garantia só poderá ser reivindicada para aparelhos que não tenham sido consertados por terceiros.
- O cartão de garantia só vale em conexão com a fatura.

Garanti – SVERIGE

Med denna maskin följer en 24 månaders garanti.

1. Garantien täcker endast material- och konstruktionsfel. Defekta delar ersätts utan omkostningar, men kunden står för installationen. Vår garanti täcker endast original Scheppach-delar.
 2. Anspråk på garanti öreligger inte för: transportskador, skador orsakade av felaktig behandling och då skötselöfreskrifter inte beaktas.
 3. Vidare kan garantikrav endast ställas för maskiner som inte har reparerats av tredje part.
- Garantisedeln är endast giltig tillsammans med faktura.

Takuu – FINNLAND

Tälle koneelle myönämme 24 kuukauden takuun.

1. Takuu koskee ainoastaan aine- ja valmistusvikoja. Viallisen osan tilalle annetaan. Korjaustyötä ei korvata. Rikkoutunut osa on lähetettävä veloituksetta maah antuojalle. Myönämme takuun vain alkuperäisille Scheppach-osille.
 2. Takuu ei korvaa:
 - koneen luonnollista kulumista
 - kuljetusvahinkoja
 - vahinkoja jotka -johtuvat koneen -vääristä käytöstä tai ei ole noudatettu koneen käyttöohjetta
 - koneen luonnollista kulumista
 - vahinkoja, jotka -johtuvat siitä.
 3. Takuu ei ole voimassa jos kolmas henkilö korjaa konetta ilman maahantuojan lupaa tai kone on siirretty kolmannen henkilön omistukseen.
- Takuutodistus on voimassa vain ostokuitin kanssa.

Garanti – NORGE

På denne maskinen gir vi 24 måneders garanti.

1. Garantien omfatter materiel eller fabrikkasjonsfeil. Deler med feil blir erstattet uten omkostninger. Selve utskiftingen må kunden selv utføre. Vi overtar kun garanti for originale Scheppach deler.
 2. Garantien omfatter ikke: Slitedeler. Transportskader. Skader forårsaket av ukyndig eller uforsiktig bruk.
 3. Garantikrav blir bare imøtekomet såfremt reparasjoner ikke er utført av tredje person.
- Garantibeviset har bare gyldighet i forbindelse med fakturaen.

Garanti – DANMARK

På denne maskine yder vi Dem 24 måneders garanti.

1. Garantien dækker udelukkende materiale- eller fabrikkationsfejl. Defekte dele erstattes uden omkostninger, udskiftningen af delene foretages af kunden. Vi yder kun garanti for originale Scheppach-dele.
 2. Garantien dækker ikke: Transportskader, sliddeler, skader p.g.a. ukorrekt behandling eller manglende overholdelse af driftsvejledningen.
 3. Endvidere kan garantikravet kun gøres gældende for maskiner, hvor der ikke er foretaget reparationer gennem tredjepart.
- Garantibeviset er kun gyldigt i forbindelse med faktura.

Garancia – UNGARN

Erre a készülékre 24 hónapos jótállási időszakot biztosítunk Önnek.

1. A jótállás kizárólagosan az anyagi- és gyártási hibákra terjed ki. A károsodott részeket költségmentesen kicseréljük, a cserét a vevőnek kell kifizetnie. Csak eredeti Scheppach-részekre vállalunk jótállást.
 2. Semmiféle jótállási igénylési lehetőség nem áll fenn a következő esetekben: szállítási károk, elhasznált részek, szakszerűtlen kezeléssel szennyezett károk, valamint az üzemeltetési utasítások figyelmen kívül hagyása, az elektronikus berendezés károsítása, a VDE-határozmányok 0100, DIN 57113/VDE 0113 elektronikai előírásainak a figyelmen kívül hagyása.
 3. Ráadásul a jótállási igényeket csak olyan berendezések esetében lehet érvényesíteni, amelyekben harmadik személyek nem eszközölték javításokat.
- A jótállási elismervény csak a számlával együtt érvényes.

Garancia – SLOWAKEI

Na toto zariadenie sa vzťahuje záruka 24 mesiacov.

1. Záruka sa vzťahuje len na chyby materiálu a na konštrukčné chyby. Chybné časti sú vymenené zadarmo, zákazník zaplatí len za cenu práce. Záruku poskytujeme len na originálne diely Scheppach.
 2. Záruka sa nevzťahuje na: poškodenie pri prevoze, opotrebovanie súčiastok, poškodenie elektrinou v prípade, že neboli dodržané bezpečnostné predpisy.
 3. Záruka je poskytovaná pokiaľ na stroji neboli vykonané opravy treťou stranou.
- Záručný list je platný len s faktúrou.

Garancija – HRVATSKA

Na ovaj pribor odobrijemo vama 24 mjeseca garanciju.

1. Garancija se protegnuje samo na materijalne- ili tvorničke greške. Oštećena djela se besplatno zamjenjuju, izmenu mora strana kupca da naumi. Mi preuzimamo samo garanciju za originalne Scheppach-djelove.
 2. Nema garancijski zahtjev kod: prijevozne štete, istrošenih djelova, šteta kroz pogrešno rukovanje i nepoštovanje upute uz uporabu, ispadanje iz električnog postrojenja kod nepozornosti električnih propisa. VDE-odredba 0100, DIN 57113/VDE0113.
 3. Osim toga se mogu garancijski zahtjevi za pribor samo na vađenje napraviti, koji se od nisu popravili od treće osobe.
- Garancija samo ima vrijednost u vezanju sa računom.

Garancija – SLOWENIEN

Za to napravo Vam nudimo 24 mesečno garancijo

1. Garancija se nanaša izključno na napake v materu ali izdelavi. Okvarjene dele bomo brezplačno zamenjali, izmenjava je izvedena s strani stranke. Garancijo prevzamemo le za originalne dele.
2. Pravice iz garancije se ne nanašajo na poškodbe ob transportu, obrabljene dele, okvare, ki so posledica neupoštevanja navodil za uporabo, izpada električne naprave ob neupoštevanju električnih predpisov. Predpisi VDE 0100, DIN 57113/VDE 0113.
3. Nadalje lahko zahtevke iz garancije uveljavljate le za naprave, ki jih niso popravljale tretje osebe.

Záruka – TSCHIECHIEN

Toto zařízení má záruku 24 měsíců

1. Záruka se vztahuje pouze na vady materiálu a konstrukční vady. Vadné části jsou vyměněny zdarma, zákazník si platí pouze cenu práce. Záruku poskytujeme pouze na originální díly Scheppach.
2. Záruka se nevztahuje: poškození převozem, opotřebování součástí, poškození vzniklé nesprávným použitím nebo jiným postupem, než je uveden v návodu k použití, poškození elektrinou v případě, že nejsou dodržovány bezpečnostní předpisy
3. Záruka je poskytována pokud na stroji nebyly provedeny opravy třetí stranou. Záruční list je platný pouze s fakturou.

Manufacturer:

scheppach
Fabrikation von Holzbearbeitungsmaschinen
Günzburger Straße 69
D-89335 Ichenhausen

Dear customer,

we wish you a pleasant and successful working experience with your new scheppach machine.

Note:

According to the applicable product liability law the manufacturer of this device is not liable for damages which arise on or in connection with this device in case of:

- improper handling,
- non-compliance with the instructions for use,
- repairs by third party, non authorized skilled workers,
- installation and replacement of non-original spare parts,
- improper use,
- failures of the electrical system due to the non-compliance with the electrical specifications and the VDE 0100, DIN 57113 / VDE 0113 regulations.

Recommendations:

Read the entire text of the operating instructions prior to the assembly and operation of the device.

These operating instructions are intended to make it easier for you to get familiar with your device and utilize its intended possibilities of use.

The operating instructions contain important notes on how to work safely, properly and economically with your machine and how to avoid dangers, save repair costs, reduce downtime, and increase the reliability and working life of the machine.

In addition to the safety regulations contained herein, you must in any case comply with the applicable regulations of your country with respect to the operation of the machine. Put the operating instructions in a clear plastic folder to protect them from dirt and humidity, and store them near the machine. The instructions must be read and carefully observed by each operator prior to starting the work. Only persons who have been trained in the use of the machine and have been informed on the related dangers and risks are allowed to use the machine. The required minimum age must be met.

In addition to the safety notes contained in the present operating instructions and the special regulations of your country, the generally recognized technical rules for the operation of wood working machines must be observed.

General Notes

- When you unpack the device, check all parts for possible transport damages. In case of complaints the supplier is to be informed immediately. Complaints received at a later date will not be acknowledged.
- Check the delivery for completeness.
- Read the operating instructions to make yourself familiar with the device prior to using it.
- Only use original scheppach parts for accessories as well as for wearing and spare parts. Spare parts are available from your specialized dealer.
- Specify our part numbers as well as the type and year of construction of the device in your orders.

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Delivery Status

oscillating spindle grinding machine
workbench of massive grey cast iron
6 abrasive sleeves (K80, ø
13/19/26/38/51/76 mm)
5 rubberized grinding rolls (115 mm)
6 table inlays ø 19/15/32/44/57/82
mm
4 spindle discs ø 14/22/46/71
suction adapter
mounting tool
Operation Manual

Technical Data

Dimensions L x W x H mm	400/365/440
RPM 1/min	2000
Table size mm	370 x 290
Table height mm	330
oscillation stroke mm	16
grinding height max. mm	98
ø spindle mm	12,7
vacuum connector ø mm	38
Gewicht kg	14,6
Drive	
Motor V/Hz	230-240/50
Input P1 W	450

Subject to technical changes!

Noise parameters acc. to EN ISO 3744

The indicated rates are emission rates and do not correspond with safe working rates. Although there is a correlation between emission and immission levels, it is not sure whether reliable precautions are necessary or not. The following factors can influence the present immission level at the working place: Time of impact, property of working room, other noise sources (for instance, number of machines and other neighbouring activities). The reliable working place rates can also vary from one country to another. Yet this information should enable the user to perform a better evaluation of the dangers and risks.

Acoustic power level in dB

Idling LWA = 84 dB(A)

Finishing LWA = 87 dB(A)

A measurement uncertainty allowance K = 3 dB applies to the mentioned emission values.

Ausstattung Fig. 1

- 1 ON/OFF switch
- 2 housing
- 3 grey cast iron table
- 4 tool spindle
- 5 table inlets (13, 19, 26, 38, 51, 76 mm)
- 6 rubber sleeves (19, 26, 38, 51, 76 mm)
- 7 abrasive sleeves (13, 19, 26, 38, 51, 76 mm)
- 8 table inlay slot
- 9 rubber and abrasive sleeves slot
- 10 vacuum connector
- 12 lower spindle disc
- 13 upper spindle discs (3 pcs.)
 - a. small 16 mm
 - b. medium 20 mm

- c. large 35 mm
- 14 Hook wrench SW 13
- 15 spindle thread M8

In these operating instructions we have marked the places that have to do with your safety with this sign: 

General Safety Rules

When using electric tools basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

- Keep guards in place and in working order.
- Remove adjusting keys and wrenches. Form the habit of checking to see that keys and adjusting wrenches are removed from the machine before turning it on.
- Keep the working area clean. Cluttered areas and benches invite accidents.
- Don't use in a dangerous environment. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
- Keep children away. All visitors should be kept at a safe distance from the work area.
- Make your workshop kid proof. Lock your workshop. Tools not used should be kept in a dry place, inaccessible for children.
- Don't force the tool. It will do the job better and safer at the rate for which it was designed.
- Use the right tool. Don't force the tool or attachment to do a job for which it was not designed.
- Use proper extension cord. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in voltage resulting in loss of power and overheating.
- Wear proper clothing. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip shoes are recommended. Wear protective hair covering to contain long hair. Roll your sleeves up to above the elbows.
- Protect your eyes by safety goggles. Everyday eyeglasses offer only little protection. They are no safety glasses. Wear a face or dust mask when working in a dusty environment.
- Secure work. Use clamps or a vice to hold work, when practical. It is safer than using your hand, and it frees both hands to operate the tool.
- Don't overreach. Keep proper footing and balance at all times.
- Maintain tools with care. Keep tools sharp and clean for best and safest performance. Follow the instructions for lubricating, and changing accessories.
- Always disconnect the machine before servicing, and when changing accessories, such as blades, bits, cutters, and the like.
- Only use recommended accessories. Consult the operating instructions for the recommended accessories. The use of improper accessories may cause risk of injury to persons.
- Never stand on the machine. Serious injury could occur if the machine is tipped or if the cutting tool is unintentionally contacted.
- Check for damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment or

binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

- Direction of work. Push the workpiece towards the sawblade or cutter only in the moving direction of the tool.
- Never leave the machine unattended while it is running. Wait until the tool has come to an absolute standstill, before you leave the machine.
- Use the correct power connection. Do not pull the power plug to stop the machine during work. Never remove the plug from the socket by pulling the extension cord.
- Always stay attentive to what you are doing, even when using the machine regularly. Bear in mind that a fraction of a second is sufficient to cause an injury.
- Keep your safety in mind. Safety is a combination of common sense and staying alert as long as the machine is switched on.
- When used in enclosed rooms, the machine must be connected to a dust extractor unit to remove wood chips and sawdust. The air flow rate at the suction connector must be 20 m/s.

Additional safety rules for the oscillating spindle grinding machines

WARNING: Do not use your machine until it is completely assembled and installed according to the instructions.

- If you are not familiar with the operation of the sanding machine, ask the head of the department, your teacher, or any other qualified person.
- **ATTENTION:** This machine has only been designed for sanding wood or similar materials. The sanding of other materials can cause fire, injuries, or damage the product.
- Always wear safety goggles.
- This machine may only be operated indoors.
- **IMPORTANT:** Mount and use the machine on a horizontal surface. A non-horizontal surface can damage the motor.
- If the machine tends to tilt or walk (especially when sanding long and heavy panels), it must be fastened to a solid surface of sufficient carrying force.
- Firmly hold the workpiece when sanding.
- Do not wear gloves. Do not hold the workpiece with a cloth during sanding.
- Never sand workpieces too small to be held safely.
- Avoid awkward hand positions where a sudden slip could cause your hand to touch the sanding belt or disc.
- When sanding a large piece of material, provide an additional support at table height.
- Never sand an unsupported workpiece. Secure the workpiece with the table or the fence. Exceptions are the sanding of curved workpieces on the outside of the sanding disc.
- Always clear the table, fence or sanding belt of scraps or other objects, before turning the machine on.
- Do not perform any layout assembly or set-up work on the table while the sanding machine is in operation.
- Switch the machine off and pull the power plug from the socket when fitting or removing accessories.
- Never leave the working area of the sanding machine while the tool is running, or as long as it has not come to an absolute standstill.
- Always place the work piece on the grinding table. To sharpen bent tools with the grinding disc, place them securely on the table.

⚠ Proper Use

The machine meets the currently valid EU machine directive.

- The manufacturer's safety, operation and maintenance instructions as well as the technical data given in the calibrations and dimensions must be adhered to.
- Relevant accident prevention regulations and other generally recognized safety and technical rules must also be adhered to.
- The machine may only be used, maintained or repaired by trained persons who are familiar with the machine and have been informed about the dangers. Unauthorized modifications of the machine exclude a liability of the manufacturer for damages resulting from the modifications.
- The machine is intended for use only with original spare parts and original tools from the producer.
- Any other use is considered to be not intended. The manufacturer excludes any liability for resulting damages, the risk is exclusively borne by the user.

⚠ Remaining hazards

The machine has been built using modern technology and in accordance with recognized safety rules. Some hazards, however, may still remain.

- There is the danger of injuries to fingers and hands by the rotating grinding tool when there is improper guidance or application of the work piece to be grinded.
- There is a danger of injuries by catapulted work pieces when guided or fixed improperly.
- The use of incorrect or damaged mains cables can lead to electrical injuries.
- Although having regarded all considerable rules there may still remain not obvious remaining hazards.
- Minimize remaining hazards by following the instructions in "Safety Rules", "Use only as authorized" and in the entire operating manual.

Commissioning

ATTENTION!! Always disconnect the power supply before beginning any maintenance or setup work on the machine.

Mounting belt/disc sander to work bench

If your belt/disc sander is to be used in a permanent location, it is recommended you secure it to a workbench or other stable surface. When mounting the belt/disc sander to a workbench, holes should be drilled through the supporting surface of the workbench.

- Mark holes on workbench where belt/disc sander is to be mounted using holes in the base as a template for hole pattern.
- Drill holes through workbench.
- Place belt/disc sander on workbench aligning holes in the base with holes drilled in the workbench.
- Insert bolts (not included) and tighten securely with lock washers and hex nuts (not included).

Note: All bolts should be inserted from the top. Install the lock washers and hex nuts from the underside of the workbench.

Clamping belt/disc sander to work bench

If your belt/disc sander is to be used as a portable tool, it is recommended you fasten it permanently to a mount-

ing board that can easily be clamped to a workbench or other stable surface. The mounting board should be of sufficient size to avoid tipping while belt/disc sander is in use. Any good grade plywood or chipboard with a 3/4 in. (19 mm) thickness is recommended.

- Mark holes on board where belt/disc sander is to be mounted using holes in the base as a template for hole pattern.
- Follow last three steps in section Mounting Belt/Disc Sander to Workbench.

If lag bolts are used, make sure they are long enough to go through holes in belt/disc sander base and material the belt/disc sander is being mounted to. If machine bolts are used, make sure bolts are long enough to go through holes in belt/disc sander, the material being mounted to, and the lock washers and hex nuts.

Connection to vacuum suction.

The use of an extraction system is recommended. For this the vacuum connector (10) and two different adaptors (11) are provided.

Tool changes, Fig. 2-7

ATTENTION!! Turn off the machine and disconnect the main plug.

When changing tools make sure to have all parts cleaned. Prepare the appropriate tool and mount it as follows:

1. Attach the lower spindle disc (16) to the spindle (4) (fig. 2).
2. Insert the table inlays (5) into the table (fig. 3).
3. Attach the lower spindle disc (6) to the spindle (4) (fig. 2).
4. Slide the abrasive sleeve (7) onto the rubber sleeve (6) (fig. 5).
5. Apply the disc (13) (use the correct measurements) (fig. 6).
6. Put on the hex-nut and tighten it with the hook wrench (14). (fig. 7)

Be sure always to mount the correct parts when changing the abrasive sleeves. The table inlays have to be bigger than the abrasive sleeves. (fig. 8)

Note! The 13mm abrasive sleeve is put directly onto the spindle (4).

Table:

Abrasive sleeve inside D	Table inlay inside D	Spindle disc size
13 mm	18 mm	small 16 mm
19 mm	25 mm	medium 20 mm
26 mm	31 mm	medium 20 mm
38 mm	44 mm	large 35 mm
51 mm	57 mm	large 35 mm
76 mm	82 mm	large 35 mm

Initial operation

After completing all assembly and setup work, turn on the machine and while it idles, check that the spindle can move faultlessly. In the case of disturbances, turn the machine off immediately and rectify the cause.

Once the machine has reached its maximum revolution speed you may start the grinding work.

Move the work piece slowly in the direction contrary to the running direction of the grinding roll.

Do not overload the machine by too much pressure against the grinding roll.

After finishing the grinding turn off the machine and dis-

connect the main plug.

ATTENTION!! Use dust mask, protective goggles and vacuum extraction.

Electrical connection

The installed electric motor is factory connected ready for operation. The connection meets the applicable VDE and DIN regulations.

The connection made by the customer as well as any extension cables used must comply with all relevant regulations.

Connection and repair work on the electric equipment must be carried out by a qualified technician only.

Important note

The motor rating is S 1. This means that when overloaded it switches off automatically. After a cooling period (can vary) you may switch it on again.

Maintenance

Disconnect the main plug before conducting any maintenance work.

Cleaning the machine after every use is recommended.

Keep the safety devices, air boxes and the crankcase clean.

Clean the machine with a cloth.

Do not use any solvents or cleaning agents because they could harm the plastic parts of the device.

Do not let water get into the interior of the machine.

The interior of the machine is completely maintenance-free.

EC Declaration of Conformity

We herewith declare, **scheppach GmbH, Günzburger Str. 69, D-89335 Ichenhausen** that the machine described below due to its construction and design and in the version delivered by us complies with the relevant provisions of the following EC Directives.
In case of a modification of the machine this declaration ceases to be valid.

Machine description:
Bench Grinder

Machine type:
os 58, Art.-Nr. 3903401913

Relevant EC directives:
**EC machine directive 98/37/EG (< 28.12.2009),
EC machine directive 2006/42/EG (> 29.12.2009),
EC Low voltage directive 2006/95/EWG,
EC-EMV directive 2004/108/EWG.**

Applied harmonized European standards
**EN 12100-1, EN 12100-2, EN 13857, EN 60 204-1, EN 61029-1/A12,
EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3**

Notified body within the meaning of Annex VII
TÜV Süd, Product Service GmbH, 80339 München

Engaged for:
**EG-Baumusterbescheinigung M8 0702 49613 040,
GS-Prüfung Z1A07024961309**

Place, date:
Ichenhausen, 02.09.2009



Signature:
Wolfgang Windrich (product manager)

Trouble shooting

Problem	Possible Cause	Help
Motor doesn't start	a) ON/OFF switch damaged. b) ON/OFF cable damaged. c) ON/OFF relay damaged. d) Fuse blown. e) Motor burnt.	a-d) Replace all damaged parts before you use your machine again. e) Contact your local service centre. Every attempt to carry out a repair, can be dangerous if it is not done by skilled personnel.
Machine gets slower during work.	Too much pressure put on the workpiece.	Reduce the pressure on the workpiece.
Sanding belt comes off the drive pulleys.	Belt does not run straight.	Reset the track.
The wood gets burnt during sanding.	a) Sanding disc or belt covered with grease. b) Excessive pressure on workpiece.	a) Replace disc or belt. b) Reduce pressure on workpiece.
Strong vibrations	a) loosely mounted tool b) defective tool c) spindle knocks	a) tighten tool b) change tool c) repair at a Service-Station

