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Originalfassung

DE BETRIEBSANLEITUNG

Übersetzung / Translation

EN USER MANUAL

ES INSTRUCCIONES DE SERVICIO

FR MODE D'EMPLOI

CZ NÁVOD K POUŽITÍ

IT ISTRUZIONI PER L'USO

NL GEBRUIKSAANWIJZING

SE BRUKSANVISNING

DRECHSELBANK

WOOD TURNING LATHE

TORNO PARA MADERA

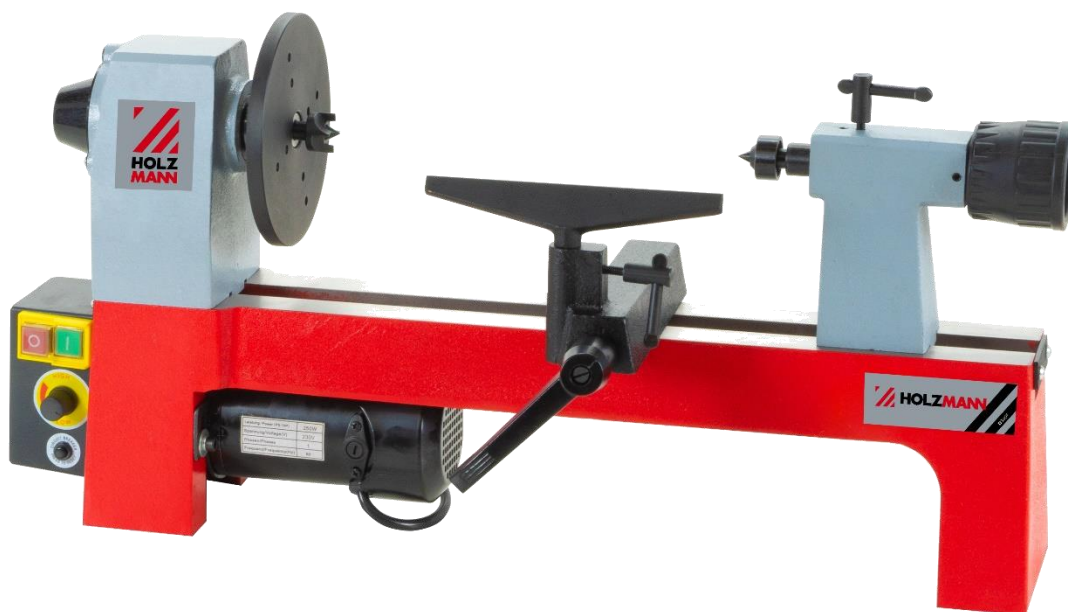
TOUR À BOIS

SOUSTRUH

TORNIO

DRAAIBANK

SVARV



D300F_230V

Edition: 24.11.2022 – Revision – 00 – FIA – DE/EN/ES/FR/CZ/IT/NL/SE

CE
YOUR
JOB.
OUR
TOOLS.



2 SICHERHEITSZEICHEN / SAFETY SIGNS

SEÑALES DE SEGURIDAD / SYMBOLES DE SÉCURITÉ / BEZPEČNOSTNÍ ZNAČKY / SEGNALI DI SICUREZZA / VEILIGHEIDSSYMBOLLEN / SÄKERHETSTECKEN

DE	SICHERHEITSZEICHEN BEDEUTUNG DER SYMBOLE	EN	SAFETY SIGNS DEFINITION OF SYMBOLS
ES	SEÑALES DE SEGURIDAD SIGNIFICADO DE LOS SÍMBOLOS	FR	SYMBOLES DE SÉCURITÉ SIGNIFICATION DES SYMBOLES
CZ	BEZPEČNOSTNÍ ZNAČKY VÝZNAM SYMBOLŮ	IT	SEGNALI DI SICUREZZA SIGNIFICATO DEI SIMBOLI
NL	VEILIGHEIDSSYMBOLLEN BETEKENIS VAN DE SYMBOLEN	SE	SÄKERHETSTECKEN SYMBOLERNAS BETYDELSE



DE	CE-KONFORM: Dieses Produkt entspricht den EU-Richtlinien.
EN	EC-CONFORM: This product complies with the EC-directives.
ES	CONFORMIDAD CE: Este producto cumple con las directivas de la UE.
FR	CONFORMITÉ CE: Ce produit répond aux directives CE.
CZ	CE SHODA: Tento výrobek vyhovuje směrnici EU.
IT	CONFORMITÀ CE: Questo prodotto è conforme alle direttive UE.
NL	CE-CONFORM: Dit product voldoet aan de EU richtlijnen.
SE	CE-NORM: Denna produkt motsvarar EG-riktlinjerna.



DE	BETRIEBSANLEITUNG LESEN! Lesen Sie die Betriebs- und Wartungsanleitung Ihrer Maschine aufmerksam durch und machen Sie sich mit den Bedienelementen der Maschine gut vertraut, um die Maschine ordnungsgemäß zu bedienen und so Schäden an Mensch und Maschine vorzubeugen.
EN	READ THE MANUAL! Read the user and maintenance carefully and get familiar with the controls in order to use the machine correctly and to avoid injuries and machine defects.
ES	¡LEER LAS INSTRUCCIONES DE SERVICIO! Lea atentamente las instrucciones de servicio y de mantenimiento de su máquina y familiarícese con los elementos de mando de la misma para manejarla correctamente y, de este modo, evitar que se produzcan daños personales y en la máquina.
FR	LIRE LE MODE D'EMPLOI ! Veuillez lire le manuel d'exploitation et de maintenance de votre machine avec assiduité en vous familiarisant bien avec les organes de commande de la machine pour l'utiliser correctement et prévenir ainsi des blessures corporelles et des dégâts sur la machine.
CZ	PŘEČTĚTE SI NÁVOD K PROVOZU! Přečtěte si pozorně návod k použití a údržbě stroje a dobře se seznamte s jeho ovládacími prvky, abyste mohli stroj správně ovládat, čímž zabráníte škodám na zdraví osob i poškození stroje.
IT	LEGGERE LE ISTRUZIONI PER L'USO! Leggere attentamente le istruzioni d'uso e di manutenzione della vostra macchina e familiarizzare con gli elementi di comando della macchina per utilizzarla correttamente e per evitare di danneggiare le persone e la macchina stessa.
NL	LEES DE GEBRUIKSAANWIJZING! Lees de gebruiks- en onderhoudsaanwijzingen van uw machine zorgvuldig door en maak u vertrouwd met de bedieningselementen van de machine, om de machine correct te bedienen en zo lichamelijke letsels en materiële schade te voorkomen.
SE	LÄS BRUKSANVISNINGEN! Läs igenom maskinens drifts- och underhållsanvisning noga och gör dig väl förtrodd med maskinens manöverelement för att kunna hantera maskinen på ett korrekt sätt och på så sätt undvika skador på människor och maskiner.

DE Persönliche Schutzausrüstung tragen!

EN Wear protective equipment!

ES ¡Use el equipo de protección individual!

FR Porter un équipement de protection individuelle !

CZ Používejte osobní ochranné prostředky!

IT Indossare i dispositivi di protezione individuale!

NL Persoonlijke beschermende uitrusting dragen!

SE Bär personlig skyddsutrustning!





- DE** Maschine vor Wartung und Pausen ausschalten und Netzstecker ziehen!
EN Stop and pull out the power plug before any break and engine maintenance!
ES ¡Pare la máquina y desconéctela de la red eléctrica antes de llevar a cabo trabajos de mantenimiento y antes de las pausas!
FR Éteindre la machine avant la maintenance et les pauses et débrancher la fiche secteur!
CZ Před údržbou a přestávkami vypněte stroj a vytáhněte síťovou zástrčku!
IT Spegner la macchina prima della manutenzione e delle pause e scollegare la spina di rete!
NL Machine vóór onderhoud en pauzes uitschakelen en stekker uittrekken!
SE Stäng av maskinen och dra ur stickproppen innan underhåll och pauser!



- DE** Warnung vor wegschleudernden Teile!
EN Warning against thrown-off items!
ES ¡Advertencia por proyección de piezas!
FR Avertissement de projection de pièces !
CZ Varování před odletujícími částmi!
IT Attenzione alle parti che sbalzano via!
NL Waarschuwing voor weggeslingerde onderdelen!
SE Varning för ivägslungande delar!
DE Warnung vor Hand- und Schnittverletzungen!
EN Warning of hand and cut injuries!
ES ¡Advertencia de lesiones en las manos y cortes!
FR Avertissement de blessures aux mains et par coupure !
CZ Varování před úrazy rukou a řeznými zraněními!
IT Attenzione alle ferite da taglio e lesioni alle mani!
NL Waarschuwing voor hand- en snijwonden!
SE Varning för hand- och skärsador!
DE Warnung vor gefährlicher elektrischer Spannung!
EN Beware of dangerous electrical voltage!
ES ¡Advertencia de tensiones eléctricas peligrosas!
FR Avertissement de tension électrique dangereuse !
CZ Varování před nebezpečným elektrickým napětím!
IT Avvertimento: tensione elettrica pericolosa!
NL Waarschuwing voor gevaarlijke elektrische spanning!
SE Varning för farlig elektrisk spänning!



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IT Avvertimento: tensione elettrica pericolosa!
NL Waarschuwing voor gevaarlijke elektrische spanning!
SE Varning för farlig elektrisk spänning!
DE Bedienen mit Handschuhen verboten!
EN Operation with gloves forbidden!
ES ¡Prohibido el manejo con guantes!
FR Utilisation avec des gants défendue !
CZ Ovládání v rukavicích je zakázáno!
IT Vietato l'uso della macchina con i guanti!
NL Bedienen met handschoenen verboden!
SE Användning med handskar är förbjudet!



- DE** **Warnschilder und/oder Aufkleber an der Maschine, die unleserlich sind oder entfernt wurden, sind umgehend zu erneuern.**
EN **Missing or non-readable security stickers have to be replaced immediately.**
ES **¡Deben sustituirse inmediatamente los letreros de advertencia y/o las pegatinas que haya en la máquina, que se hayan vuelto ilegibles o se hayan retirado!**
FR **Les panneaux d'avertissement et/ou autocollants d'avertissement illisibles ou retirés sur la machine doivent être remplacés immédiatement!**
CZ **Výstražné štítky a/nebo nálepky na stroji, které jsou nečitelné či byly odstraněny, je nutné ihned obnovit!**
IT **I segnali di avvertimento e/o le etichette applicate sulla macchina, che sono illeggibili o sono stati rimossi, devono essere sostituiti immediatamente!**
NL **Waarschuwborden en/of etiketten aan de machine welke niet meer leesbaar zijn of werden verwijderd moeten onmiddellijk worden vervangen!**
SE **Varningsskyltar eller etiketter på maskinen som blivit oläsliga eller som avlägsnats skall omgående bytas ut!**

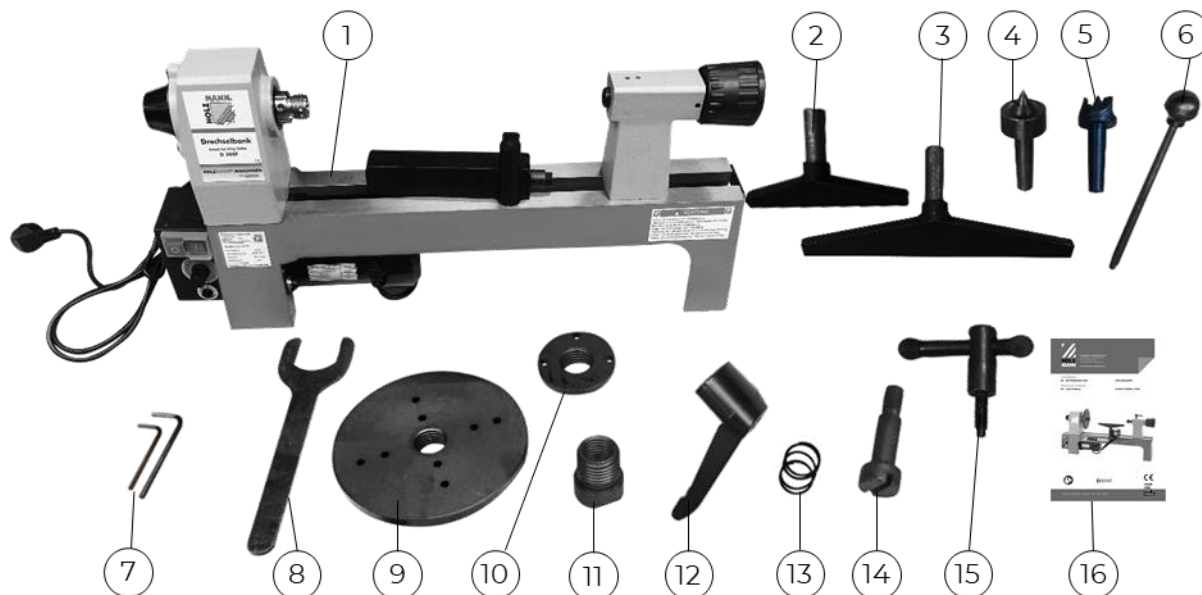


3 TECHNIK / TECHNICS

TECNICA / TECHNIQUE / TECHNICKÁ ČÁST / TECNOLOGIA / TECHNIEK / TEKNISKT

3.1 Lieferumfang / Delivery content

Volumen de suministro / Contenu de la livraison / Rozsah dodávky / Dotazione di fornitura / Leveringsomvang / Leveransomfång



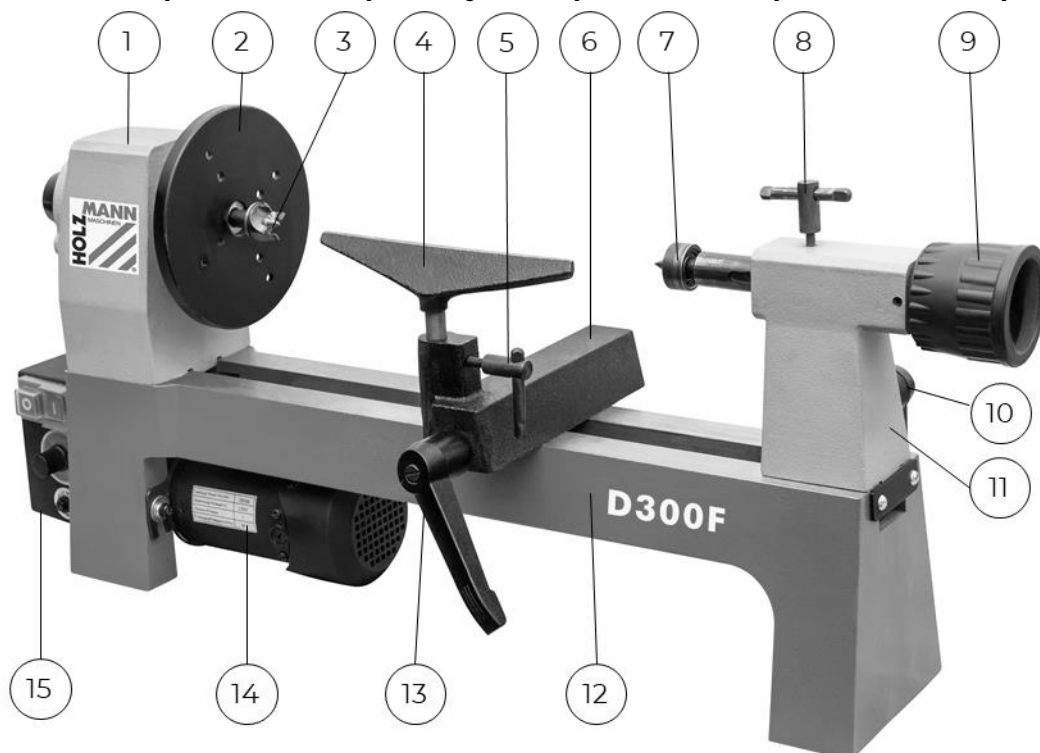
	Bezeichnung / Description	Qty.		Bezeichnung / Description	Qty.
1	Maschinenbett / machine bed / Bancada de la máquina / Banc de machine / Lože stroje / Piastra della macchina / Machinebed / Maskinbädd	1	9	Planscheibe groß / face plate large / Plato de refrentar grande / Plateau porte-outil grand / Lícni deska velká / Disco portapezzo grande / Stelplaat groot / Stor planskiva	1
2	Werkzeugaufgabe schmal / tool rest small / Portaherramientas estrecho / Support d'outils de forme étroite / Opěrka nástroje úzká / Poggiautensili stretto / Gereedschapssteun small / Smalt verktygsstöd	1	10	Planscheibe klein / face plate small / Plato de refrentar pequeño / Plateau porte-outil petit / Lícni deska malá / Disco portapezzo piccolo / Stelplaat klein / Liten planskiva	1
3	Werkzeugaufgabe breit / tool rest wide / Portaherramientas ancho / Support d'outils de forme large / Opěrka nástroje široká / Poggiautensili largo / Gereedschapssteun breed / Brett verktygsstöd	1	11	Adapter / adapter / Adaptado / Adaptateur / Adaptér / Adattatore / Adapter / Adapter	1
4	Körnerspitze / centre punch tip / Punta de centrado / Contrepointes / Upínací hrot / Punzone centrale / Centerpunt / Körnerspets	1	12	Feststellgriff / locking handle / Empuñadura inmovilizadora / Poignée de blocage / Zajišťovací rukojet / Maniglia di bloccaggio / Vastzetgreep / Låshandtag	2
5	4-Zack-Mitnehmer / spur center / Arrastrador de 4 dientes / Entraîneur à 4 taquets / Čtyřzubý unašeč / Brida a 4 denti / Meenemer Z4 / Medbringare med 4 spetsar	1	13	Feder / spring / Muelle / Ressort / Pružina / Molla / Veer / Fjäder	2
6	Fixierstange / fixing rod / Barra de fijación / Tige de blocage / Fixační tyč / Asta di fissaggio / Fixeerstang / Fästpinne	1	14	SchulterSchraube / shoulder screw / Tornillo de hombro / Vis à épaulement / Lícovaný šroub / Vite a spalla / Schouderschroef / Axelskruv	2



7	Inbusschlüssel / Allen key / Llave allen / Clé Allen / Inbusový klíč / Chiave esagonale / Inbussleutel / Insexnyckel	2	15	Arretierschraube / locking screw / Tornillo de inmovilización / Vis de blocage / Aretační šroub / Vite di bloccaggio / Klemschroef / Fästskruv	2
8	Gabelschlüssel / open end wrench / Llave fija / Clé à fourche / Vidlicový klíč / Chiave fissa / Vorksleutel / U-nyckel	1	16	Betriebsanleitung / manual / Instrucciones de servicio / Mode d'emploi / Návod k použití / Istruzioni per l'uso / Gebruiksaanwijzing / Bruksanvisning	1

3.2 Komponenten / Components

Componentes / Composants / Komponenty / Componenti / Componenten / Komponenter



	Bezeichnung / Description		Bezeichnung / Description
1	Spindelstock / headstock / Cabezal / Poupée fixe / Vřeteník / Supporto del mandrino / Vaste kop / Spindeldocka	9	Handrad / handwheel / Volante manual / Volant / Ruční kolo / Volantino / Handwiel / Ratt
2	Planscheibe / face plate / Plato de refrentar / Plateau porte-outil / Lícni deska / Disco portapezzo / Stelplaat / Planskiva	10	Feststellgriff Reitstock / locking handle tailstock / Empuñadura inmovilizadora contrapunto / Poignée de blocage de contrepoupée / Zajišťovací rukojeť koníku / Maniglia di bloccaggio contropunta / Vastzetgreep losse kop / Låshandtag, dubbdocka
3	4-Zack-Mitnehmer / spur center / Arrastrador de 4 dientes / Entraîneur à 4 taquets / Čtyřzubý unašeč / Brida a 4 denti / Meenemer Z4 / Medbringare med 4 spetsar	11	Reitstock / tailstock / Contrapunto / Contrepoupée / Koník / Contropunta / Losse kop / Dubbdocka
4	Werkzeugauflage / tool rest / Portaherramientas / Support d'outil / Opěrka nástroje / Poggiautensili / Gereedschapssteun / Verktygsstöd	12	Maschinenbett / machine bed / Bancada de la máquina / Banc de machine / Lože stroje / Piastra della macchina / Machinebed / Maskinbädd
5	Arretierschraube Werkzeugauflage / locking screw tool rest / Tornillo de inmovilización portaherramientas / Vis de	13	Feststellgriff Werkzeugauflage Halterung / locking handle tool rest base / Empuñadura inmovilizadora



	blocage du support d'outil / Aretační šroub opěrky nástroje / Vite di bloccaggio poggiautensili / Klemschroef gereedschapssteun / Fästskruv, verktygsstöd		portaherramientas soporte / Fixation de la poignée de blocage du support d'outil / Základna pro opěrku nástrojů se zajišťovací rukojetí / Maniglia di bloccaggio poggiautensili / Vastzetgreep gereedschapssteun houder / Låshandtag, verktygsstöd, hållare
6	Werkzeugauflage Halterung / tool rest base / Soporte portaherramientas / Fixation du support d'outil / Základna pro opěrku nástroje / Poggiautensili supporto / Gereedschapssteun houder / Verktygsstöd	14	Motor / motor / Motor / Moteur / Motor / Motore / Motor / Motor
7	Körnerspitze / centre punch tip / Punta de centrado / Contrepointes / Upínací hrot / Punzone centrale / Centerpunt / Körnarspets	15	Schalteinheit / switch unit / Unidad de conmutación / Unité de commutation / Spínací jednotka / Unità di commutazione / Schakeleenheid / Kopplingsenhet
8	Arretierschraube Körnerspitze / locking screw centre punch tip / Tornillo de inmovilización punta de centrado / Vis de blocage de contrepointe / Aretační šroub upínacího hrotu / Vite di bloccaggio contropunta / Klemschroef centerpunt / Fästskruv, körnarspets		



3.3 Technische Daten / Technical Data

Datos técnicos / Données techniques / Technické údaje / Dati tecnici / Technische gegevens /
Tekniska data

Spezifikation / Specification	
Spannung / voltage / Tensión / Tension / Napětí / Tensione / Netspanning / Spänning	230 V / 1 / 50 Hz
Motorleistung / motor power / Potencia del motor / Puissance du moteur / Výkon motoru / Potenza motore / Motorvermogen / Motoreffekt	250 W
Spindeldrehzahl / spindle speed / Velocidad del husillo / Vitesse de broche / Otáčky vřetena / Numero di giri mandrino / Spindeltoerental / Spindelvarvtal	750–3200 min ⁻¹
Spitzenweite / distance between centers / Distancia entre puntas / Entrepointes / Šířka hrotu / Distanza tra le punte / Draailengte / Dubstavstånd	305 mm
Spitzenhöhe über Maschinenbett / center height above machine bed / Altura de centrado sobre la bancada de la máquina / Hauteur de pointes au-dessus du banc de machine / Výška hrotu nad ložem stroje / Diametro massimo eseguibile con la piastra macchina / Draaihoogte boven machinebed / Dubbhöjd över maskinbädd	105 mm
Spindelstock Gewindeaufnahme / headstock norm spindle / Receptáculo roscado del cabezal / Poupée fixe, logement de filetage / Závitový upínač vřeteníku / Supporto del mandrino, attacco filettato / Vaste kop, schroefdraadopname / Spindeldocka, gängfäste	M33
Morsekonusaufnahme / morse taper / Alojamiento cónico Morse / Logement conique d'emmanchement / Upínač Morseova kuželu / Attacco cono morse / Morseconusopname / Morsekonafäste	MK1/MT1
Pinolenweg / tail spindle travel / Recorrido pinola / Course du fourreau / Dráha pinoly / Percorso bussola / Rijweg pinole / Pinolväg	35 mm
Planscheibe / face plate / Platos de refrentar / Plateaux porte-outil / Lícni desky / Disco portapezzo / Stelplaten / Planskivor	Ø 145 mm
Werkzeugaufgabe schmal/breit / tool rest small/wide / Portaherramientas estrecho/ancho / Support d'outils de forme étroite/large / Opěrka nástroje úzká/široká / Poggiautensili stretto/largo / Gereedschapssteun smal/breed / Verktögsstöd, smalt/brett	105 mm / 175 mm
Maschinenmaße (L×B×H) / machine dimensions (L×W×H) / Dimensiones de la máquina (L×A×H) / Dimensions de la machine (L×l×H) / Rozměry stroje (d×š×v) / Dimensioni macchina (L×P×A) / Afmetingen machine (L×B×H) / Maskindimensioner (L×B×H)	660(740)×140(300)×320 mm
Verpackungsmaße (L×B×H) / packaging dimensions (L×W×H) / Dimensiones del embalaje (L×A×H) / Dimensions d'emballage (L×l×H) / Rozměry obalu (d×š×v) / Dimensioni (L×P×A) / Afmetingen verpakking (L×B×H) / Förpackningens dimensioner (L×B×H)	700×335×185 mm
Gewicht Brutto / weight gross / Peso bruto / Poids brute / Hmotnost brutto / Peso lordo / Gewicht brutto / Vikt Brutto	21 kg
Gewicht Netto / weight net / Peso neto / Poids net / Hmotnost netto / Peso netto / Gewicht netto / Vikt Netto	19 kg
Schalldruckpegel L _{PA} / sound pressure level L _{PA} / Nivel de presión sonora L _{PA} / Niveau de pression acoustique L _{PA} / Hladina akustického tlaku L _{PA} / Livello di pressione sonora L _{PA} / Geluidsdrukkniveau L _{PA} / Bullernivå L _{PA}	< 70 dB(A)



11 PREFACE (EN)

Dear Customer!

This manual contains information and important instructions for the commissioning and handling of the wood turning lathe D300F_230V, hereinafter referred to as the "machine" in this document.



The manual is an integral part of the machine and must not be removed. Keep it in a suitable place easily accessible to users (operators) for future reference and enclose it with the machine if it is passed on to third parties!

Please read and note the safety instructions!

Before first use read this manual carefully. It eases the correct use of the machine and prevents misunderstanding and damages of machine.

Due to constant advancements in product design, construction, illustrations and contents may deviate slightly. If you notice any errors, please inform us.

We reserve the right to make technical changes!

Check the goods immediately after receipt and note any complaints on the consignment note when taking over the goods from the deliverer!

Transport damage must be reported to us separately to us within 24 hours.

HOLZMANN MASCHINEN GmbH cannot accept any liability for transport damage that has not been reported.

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12 SAFETY

This section contains information and important notes on the safe commissioning and handling of the machine.



For your safety, read this manual carefully before commissioning. This will enable you to handle the machine safely and thus prevent misunderstandings as well as personal injury and damage to property. Pay special attention to the symbols and pictograms used on the machine as well as the safety information and danger warnings!

12.1 Intended use of the machine

The machine is intended exclusively for the following activities:

For turning wood or materials with similar physical properties, such as horn, bone or plastic, within the technical limits.

NOTE



HOLZMANN MASCHINEN GmbH assumes no responsibility or warranty for any other use or use beyond this and for any resulting damage to property or injury.

12.1.1 Technical restrictions

The machine is designed for the work under the following conditions:

relative humidity	max. 70 %
temperature (operation)	+5 °C to +40 °C
temperature (storage, transport)	-25 °C to +55 °C

12.1.2 Prohibited applications / Dangerous misuse

- Operating the machine outdoors.
- Operating the machine without adequate physical and mental fitness.
- Operating the machine without knowledge of the manual.
- Modifying the machine design.
- Operating the machine under fire or explosion hazardous conditions (machine can generate ignition sparks during operation).
- Operating the machine outside the technical limits specified in this manual.
- Removing of the safety labels attached to the machine.
- Modifying, circumventing or disabling the safety devices of the machine.
- Machining of materials with dimensions outside the limits specified in this manual.
- Cleaning the machine with water, neither with the power switched on nor with the power switched off.

The non-intended use or the disregard of the explanations and instructions described in this manual will result in the expiration of all warranty claims and compensation claims for damages against HOLZMANN MASCHINEN GmbH.

12.2 Requirements for user

The machine is designed to be operated by one person. The prerequisites for operating the machine are physical and mental fitness as well as knowledge and understanding of the manual. Persons who, due to their physical, sensory or mental capabilities, inexperience or lack of knowledge, are unable to operate the machine safely must not use the machine without supervision or instruction by a responsible person.

Put on your personal protective equipment before working on the machine.

Please note that locally applicable laws and regulations determine the minimum age of the operator and may restrict the use of this machine!

Work on electrical components or equipment may only be carried out by a qualified electrician or under the guidance and supervision of a qualified electrician.



12.3 Safety device

If the machine is overloaded, due to e.g. overheating, the overload protection is triggered and the power supply to the motor is interrupted. The overload protection is reactivated by pressing the reset button.

	• The reset button of the overload protection is located on the switch unit (1).
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12.4 General safety instructions

To avoid malfunctions, damage and health impairments when working with the machine, the following points must be observed in addition to the general rules for safe working:

- Check the machine for completeness and function before starting. Only use the machine if the separating and other non-separating protective devices required for machining are in place.
- Make sure that the guards are in good working order and properly maintained.
- Select a level, vibration-free surface as the installation area.
- Ensure sufficient space around the machine. Keep the area around the machine free of obstacles (e.g. dust, chips, cut-off workpiece parts, etc.).
- Ensure sufficient lighting conditions at the workplace to avoid stroboscopic effects.
- Make sure you have a secure footing when working.
- Ensure a clean working environment.
- Only use tools that are in perfect condition and free of cracks and other defects (e.g. deformations).
- Remove tool keys and other setting tools before switching on the machine.
- Check the machine's connections for strength before each use.
- Never leave the running machine unattended. Switch off the machine before leaving the working area and secure it against unintentional or unauthorized restarting.
- The machine may only be operated, maintained or repaired by persons who are familiar with it and who have been informed about the dangers arising from this work.
- Ensure that unauthorized persons keep a safety distance from the machine and keep children away from the machine.
- Always work with care and the necessary caution and never use excessive force.
- Do not overload the machine.
- Only work in well-ventilated rooms.
- Hide long hair under hair protection.
- Wear close fitting protective work clothing and suitable protective equipment (eye protection, dust mask, ear protection, safety-shoes).
- Never wear loose jewellery, loose clothing or accessories (e.g. tie, scarf).
- Do not work on the machine if you are tired, not concentrated or under the influence of medication, alcohol or drugs!
- Ensure proper connection to the dust extraction system.
- Do not use the machine in areas where vapors of paints, solvents or flammable liquids represent a potential danger (danger of fire or explosion!).
- Shut down the machine and disconnect it from the power supply, before adjustment, changeover, cleaning, maintenance or repair work, etc. Before starting work on the machine, wait until all tools or machine parts have come to a complete standstill and secure the machine against unintentional restart.
- Warning signs and/or stickers on the machine that are illegible or have been removed must be replaced immediately!

12.5 Electrical safety

- Make sure that the machine is grounded.
- Only use suitable extension cables.



- A damaged or tangled cable increases the risk of electric shock. Handle the cable with care. Never use the cable to carry, pull or disconnect the machine. Keep the cable away from heat, oil, sharp edges or moving parts.
- Proper plugs and sockets reduce the risk of electric shock.
- Water entry into the machine increases the risk of electric shock. Do not expose the machine to rain or moisture.
- The machine may only be used if the power supply is protected by a residual current circuit breaker.
- Before connecting the machine always make sure that it is switched off.
- Use the machine only when the ON-OFF switch is in good working order.

12.6 Special safety instructions for this machine

- Never reach into the running machine!
- Do not wear safety gloves when working (rotating parts).
- Remove chips and workpieces when the motor is switched off.
- Never brake the machine by hand when it is running down.
- Never take measurements on rotating workpieces.
- Always machine unshaped workpieces at low spindle speed to a round shape.
- Only work on safely clamped workpieces.
- Before clamping the workpiece between two centers, provide it with a centring hole on both sides.
- Remove nails and other foreign substances from the workpiece before machining.

12.7 Hazard warnings

12.7.1 Residual risks

Despite intended use, certain risk factors cannot be completely eliminated:

- Risk of injury to hands/fingers from freely rotating workpiece during operation and run-on until the machine comes to a complete standstill.
- Risk of injury from contact with moving machine parts.
- Risk of injury from sharp edges of the workpieces.
- Risk of injury from contact with live components.
- Risk of injury due to tipping of the machine.
- Risk of injury to hands or eyes from wood splinters.
- Risk of injury due to dust emissions from workpieces treated with harmful agents.
- Risk of injury due to incorrect installation of the tool or ejection of tool inserts.
- Risk of injury to the eye from flying parts, even with protective goggles.
- Risk of injury due to tool kickback.

12.7.2 Hazardous situations

Due to the design and construction of the machine, hazardous situations may occur which are identified in this manual as follows:

DANGER



A safety instruction designed in this way indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING



A safety instruction of this type indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION



A safety instruction designed in this way indicates a possibly hazardous situation which, if not avoided, may result in minor or moderate injury.



NOTE



A safety notice designed in this way indicates a potentially hazardous situation which, if not avoided, may result in property damage.

Regardless of all safety regulations, your common sense and your appropriate technical aptitude/training are and remain the most important safety factor in the error-free operation of the machine. **Safe working depends on you!**

13 TRANSPORT

For proper transport, follow the instructions and information on the transport packaging regarding center of gravity, slinging points, weight, means of transport to be used and prescribed transport position, etc. Transport the machine in its packaging to the place of installation. Ensure the correct body posture when lifting, carrying and setting down the load.

Lifting/Setting down

- When lifting/setting down, ensure that you are standing firmly (legs hip-width).
- Lift/set down load with knees bent and back straight.
- Do not lift/set down load with a jerk.

Carrying

- Carry load with both hands as close to body as possible.
- Carry load with straight back.
- When transporting the assembled machine, ensure to lift it only by the machine body and not by the attachments.

If you transport the machine with a vehicle, ensure that the load is secured appropriately!

14 ASSEMBLY

14.1 Preparation

14.1.1 Delivery content

Check the delivery immediately for transport damage and missing parts. Report any damage or missing parts to your dealer or the shipping company immediately. Visible transport damage must also be noted immediately on the delivery note in accordance with the provisions of the warranty, otherwise the goods are deemed to have been properly accepted.

14.1.2 Requirements for the installation site

The chosen installation site must ensure a suitable connection to the electrical power supply and have a connection to the extraction system. The installation site must meet the required safety regulations and ergonomic operating conditions, such as lighting, space requirements and working position. Place the machine on a level solid base with appropriate load-bearing capacity for machine and workpiece. When dimensioning the required space, take into account that the operation, maintenance and repair of the machine must be possible without restriction at all times.

14.1.3 Preparation of the surface

Remove the preservative applied to protect the parts against corrosion without painting. This can be done with the usual solvents. Do not use nitro solvents or similar agents and in no case water.

NOTE



The use of paint thinners, petrol, aggressive chemicals or scouring agents will cause damage to the surfaces!

Therefore: Use only mild cleaning agents for cleaning.



14.2 Electrical connection

WARNING



Dangerous electrical voltage!

Risk of injury from dangerous electrical voltage!

- Connecting the machine to the power supply and the associated checks may only be carried out by a qualified electrician or under the guidance and supervision of a qualified electrician!

- Check, whether the neutral connection and the protective grounding are working properly.
- Check, whether the supply voltage and the frequency correspond to the specifications of the machine.

NOTE



Deviation of the supply voltage and frequency!

A deviation from the value of the supply voltage of $\pm 5\%$ is permissible.

A short-circuit fuse must be provided in the power supply system of the machine!

- Use a supply cable of type H07RN (WDE282) or take the required cross-section of the supply cable from a current carrying capacity table. Pay attention to the measures for protection against mechanical damage.
- Make sure that the power supply is protected by a residual current circuit breaker.
- Connect the machine only to a properly grounded socket.
- When using an extension cable, make sure that the dimension matches the connected load of the machine. The connection power can be found in the technical data, the correlation of cable cross-section and cable lengths can be found in the technical literature or obtain information from a specialist electrician.
- A damaged cable must be replaced immediately.

14.3 Assemble

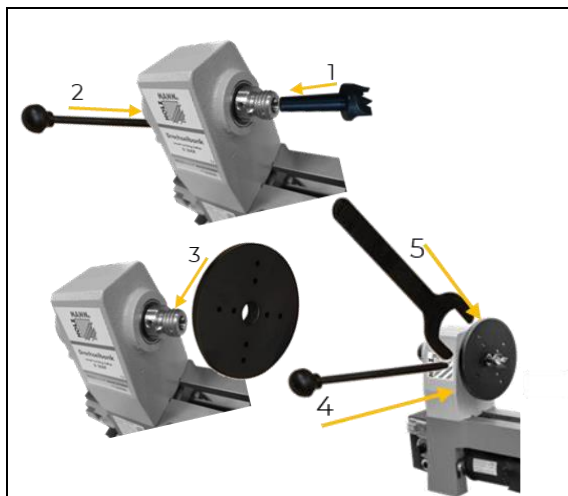
Parts of the machine have been disassembled for transport and must be reassembled before use. Follow the instructions below:

	Mount locking handles Tailstock • Insert the shoulder screw (1a) through the spring (1b) into the opening provided in the locking handle (1c). Insert the locking handle into the tailstock and tighten the shoulder screw (1). Tool rest base • Place the tool rest base crosswise on the machine bed and move it to the desired position. Insert the locking handle as described above (2).
	Tool rest • Position the appropriate tool rest in the opening provided (3), set the desired height and fix it with the locking screw (4). If necessary, turn the tool rest.



14.4 Settings

14.4.1 Headstock



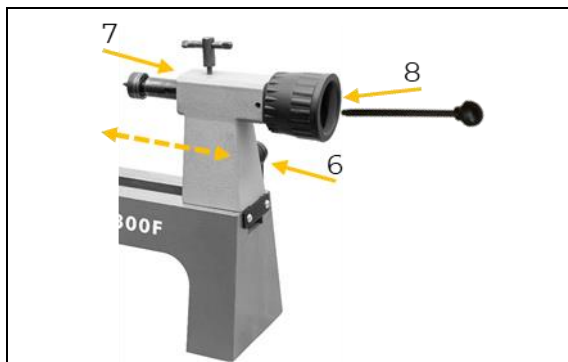
Spur center

- Push the spur center into the headstock receptacle (1) with a jerk.
- To remove it, push the fixing rod into the rear end of the headstock shaft (2). The spur center comes out of the receptacle.

Face plate

- Screw the face plate onto the thread of the headstock shaft (3).
- To loosen the face plate, fix the headstock shaft with the fixing rod (4) and at the same time unscrew the face plate with the open-end wrench (5).

14.4.2 Tailstock



Position

- Open the locking handle (6) and move the tailstock along the machine bed, depending on the workpiece size.
- Fix the locking handle (6) again.

Centre punch tip

- Push the centre punch tip into the tailstock receptacle (7) with a jerk.
- To remove it, push the fixing rod into the end of the tailstock shaft (8).

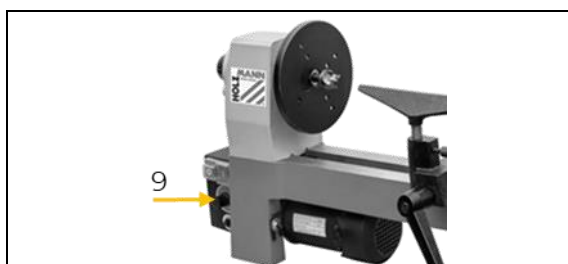
14.4.3 Spindle speed

CAUTION



Risk of injury from flying parts!

- Always set the lowest spindle speed for unknown types of wood, for new workpieces and for large workpieces!
- Carefully increase the spindle speed!



- Set the spindle speed between 750 and 3200 rpm with the rotary regulator of the switch unit (9).

15 OPERATION

Only operate the machine when it is in a perfect condition. A visual inspection of the machine must be carried out before each operation. Safety devices, electrical cables and operating elements must be checked carefully. Check screw connections for damage and tight fit.

15.1 Operating instructions

When operating the machine, be sure to observe the following instructions:

- Take time to familiarize yourself with how the machine works, the tools and the types of wood.
- Ensure that the machine has a stable base.

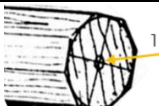


- Before switching on, turn the workpiece by hand to ensure that it runs freely and does not touch the tool rest.
- Check, that the workpiece is centered and firmly clamped.
- Check the tool rest for firmly seating before starting.
- Check the tailstock and centre punch tip for tight fit before starting. The centre punch tip should penetrate the workpiece by up to a few mm, depending on the size of the workpiece.
- Check the face plate and, if used, the spur center for tight fit before starting.
- Hold and guide the woodturning tool securely and firmly when working.
- Only work with sharp turning tools.
- Only work on large and unbalanced workpieces at low spindle speed.
- Use the face plate for large and unbalanced workpieces.
- Adjust the spindle speed to the material properties.
- Observe the specifications regarding workpiece dimensions.
- Only work on selected woods without defects.

15.2 Handling

15.2.1 Mark the centre of the workpiece

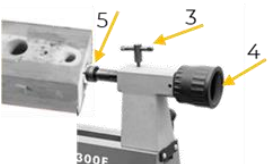
The marking of the centre of the workpiece enables exact clamping of the workpiece.

	• Mark the centre (1) on both faces of the workpiece.
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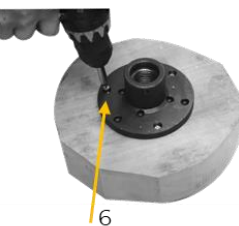
15.2.2 Clamp workpiece

Longitudinal machining

For longitudinal machining, the workpiece is clamped centred.

	Spur center • Attach the workpiece by drilling the claws of the spur center into the workpiece (2).
	Centre punch tip • Loosen the locking screw (3). • Turn the handwheel (4) until the centre punch tip has bored a few mm into the workpiece (5). • Fix the locking screw again (3).

Front machining

	Face plate • Fix the workpiece with suitable Spax screws, which are drilled into the workpiece through the holes in the face plate (6). NOTE: The Spax screws are not included in delivery content! Make sure that the Spax screws do not penetrate the area of the workpiece where material is to be removed. • Screw the face plate with the attached workpiece onto the thread of the headstock shaft.
---	---

With optionally available clamping devices you can clamp larger workpieces securely and firmly, see chapter ACCESSORIES.

15.2.3 Position the tool rest

- Position the tool rest, depending on the turning tool, just above or just below the centre line of the workpiece at a distance of 1–3 mm.
- Use the tool rest to safely guide and support the turning tool.



15.2.4 Switch the machine on and off

WARNING

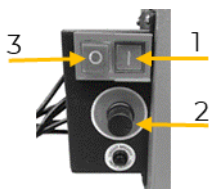
**Risk of injury from parts flying off!**

- Before switching on the machine, check whether the face plate and/or the spur center, the tailstock, the centre punch tip and the tool rest are fixed.
Make sure that the workpiece is firmly clamped!

NOTE



- Do not machine the workpiece with the tool until the machine has reached the set spindle speed
- Do not increase the spindle speed until the workpiece has reached a regular runout in its basic shape.

**Switch on**

- Press the switch-on button (1) of the switch unit.
The rotation starts with a delay of 1–3 seconds.

Switch off

- Set the lowest spindle speed with the rotary regulator (2).
- Press the switch-off button (3) of the switch unit.
The rotation of the spindle and the workpiece stop only with a delay.

CAUTION

**Machine overruns!**

- After switching off, stay with the machine until the workpiece comes to a standstill. Never stop the rotation by hand!

16 CLEANING, MAINTENANCE, STORAGE, DISPOSAL

WARNING

**Danger due to electrical voltage!**

Handling the machine with connected power supply may result in serious injury or death.

- Always disconnect the machine from the power supply before cleaning, maintenance or repair work and secure it against unintentional reconnection.

16.1 Cleaning

Regular cleaning guarantees the long service life of your machine and is a prerequisite for its safe operation.

NOTE



Incorrect cleaning products can attack the finish of the machine. Do not use any solvents, nitro thinners or other cleaning products that could damage the machine's finish.

Observe the specifications and instructions of the cleaning agent manufacturer.

- Remove chips and dirt particles from the machine after each use with compressed air and a soft brush.
- Prepare the surfaces and lubricate the bare machine parts with an acid-free lubricating oil (e.g. WD40 rust inhibitor).



16.2 Maintenance

The machine is low-maintenance and only a few parts need to be serviced. Malfunctions or defects that could affect your safety must be repaired immediately!

- Before each operation, check the perfect condition of the safety devices.
- Regularly check the perfect and legible condition of the warning and safety labels of the machine.
- Use only original spare parts recommended by the manufacturer.

16.2.1 Maintenance plan

The type and degree of machine wear depends to a large extent on the operating conditions. The following intervals apply when the machine is used within the technical limits:

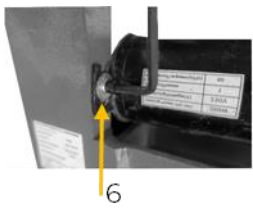
Interval	Component	Activity
before starting work	• guide paths	• oil
	• centre punch tip and spur center	• Keep the tool, especially the thread cone, free of dust and apply a thin layer of oil.
	• locking handles with spring, threaded parts	• lubricate
	• motor	• Check that the ventilation slots are free of contamination.
	• cable connection	• Check, replace if damaged.
	• turning tool	• Check for defects and sharpness; reshape or replace if necessary.
after 50 operating hours	• drive belt	• Check for tight fit and defects (e.g. cracks); replace if necessary, see next chapter.
	• carbon brushes	• Check, replace if necessary; see chapter after next.

16.2.2 Replace drive belt

Expanded or cracked drive belts should be replaced as follows:

	• Disconnect the machine from the power supply. • Open the 3 screws of the cover (1) on the side of the headstock and remove it. • Turn the machine 90° and place the machine on a work surface. • Loosen both Allen screws (2) and move the motor (3) so that the drive belt is slackened.
	• Remove the drive belt (4) at the side opening on the headstock and rethread the new drive belt at this opening.
	• Position the drive belt (5) at the designated points on the headstock side and in the groove of the drive shaft (5a).



	• Tension the drive belt by pushing the motor with the drive shaft downwards. Fix the position by tightening the Allen screws (6).
	• Finally, screw the side cover of the headstock back on with the 3 screws (7).

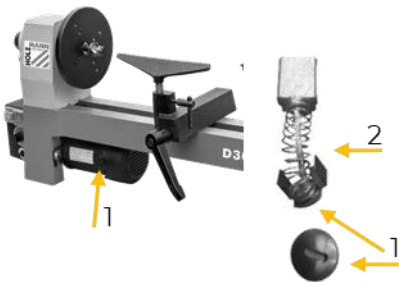
16.2.3 Check/replace carbon brushes

Check the carbon brushes for proper function after 50 operating hours of the new machine, subsequently every 10 operating hours. If the carbon is worn or the spring is damaged, replace the carbon brushes as described below.

CAUTION



The carbon brushes may only be replaced by trained personnel!

	• Disconnect the machine from the power supply. • Remove the cover (1) of the carbon brush on the motor and remove the carbon brush. • Insert the new carbon brush into the sleeve (2). • Fix the carbon brush by compressing the spring and closing the cover. • Repeat this procedure with the opposite carbon brush.
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16.3 Storage

Store the machine including accessories in a dry, frost-proof and lockable place when not in use. Cover the machine or store it in the original box to protect it from dust. Make sure that unauthorized persons and especially children do not have access to the machine. Disconnect the machine from the power supply and slacken the drive belt, see chapter Replace drive belt.

NOTE



Improper storage can damage and destroy important components. Only store packed or already unpacked parts under the intended ambient conditions!

16.4 Disposal



Observe the national waste disposal regulations. Never dispose of the machine, machine components or operating equipment in the residual waste. If necessary, contact your local authorities for information regarding available disposal options. If you purchase a new machine or equivalent equipment from your specialist dealer, he is obliged in certain countries to dispose of your old machine properly.



17 TROUBLESHOOTING

WARNING



Danger due to electrical voltage!

Handling the machine with connected power supply may result in serious injury or death.

→ Always disconnect the machine from the power supply before starting work to repair defects and secure it against unintentional reconnection.

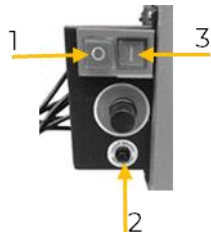
Many possible sources of error can be eliminated in advance if the machine is properly connected to the power supply. If you are unable to carry out the necessary repairs properly and/or do not have the required training, always consult a specialist to solve the problem.

Trouble	Possible cause	Solution
machine does not run	• switch defective	• repair switch
	• power supply switched off	• Check power supply, replace fuse or switch contactor if necessary.
	• overload fuse has been triggered	• reset overload fuse
strong vibration	• warped workpiece	• replace material
	• workpiece badly centered	• measure centre point accurately
	• loose belt pulley	• tighten drive belt
	• worn drive belt	• replace drive belt
	• machine is on uneven surface	• place machine on level surface
	• tailstock loose	• fix tailstock
poor turning result	• spindle speed too high	• reduce spindle speed
	• blunt turning tool	• sharpen turning tool
	• wrong turning tool for the job	• choose the right turning tool
	• wrong tool rest setting	• reposition tool rest distance and height

17.1 Overload protection

If the machine is overloaded, the overload protection is triggered and the power supply to the motor is interrupted.

Reset



1. Press the switch-off button of the switch unit (1).
2. Wait for the machine to cool down.

NOTE



Overheating can be caused by incorrectly adjusted machine parts or blunt tools.

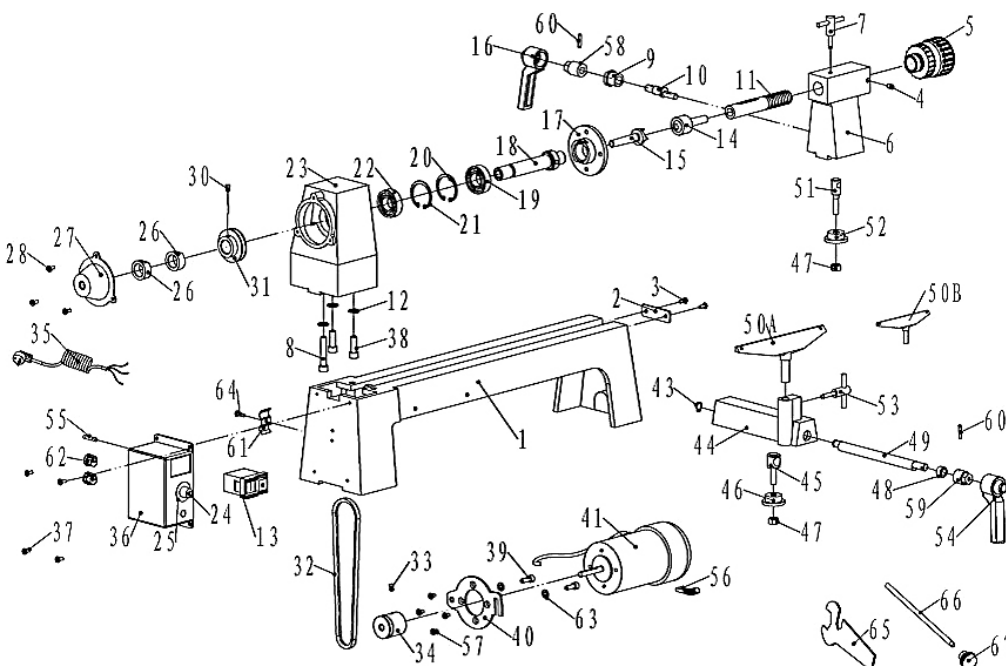
→ Check the setting of the machine parts and the tool used before switching on the machine!

3. Press the reset button (2).
4. Press the switch-on button of the switch unit (3).



61.2 Explosionszeichnung / Exploded view

Vista de despiece / Vue éclatée / Výkres v rozloženém stavu / Disegno esploso / Explosietekening / Explosionsritning



61.3 Ersatzteilliste / Spare part list

Listado de piezas de recambio / Liste des pièces de rechange / Seznam náhradních dílů / Lista parti di ricambio / Reserveonderdelenlijst / Reservdelslista

No.	Description	QTY	No.	Description	QTY	No.	Description	QTY
1	Bed	1	24	Speed dial switch	1	47	Nut M8	2
2	Retaining plate	1	25	Speed dial label	1	48	Sleeve	1
3	Bolt M5×8	2	26	Headstock spindle nut	2	49	Eccentric rod	1
4	Bolt M6×8	2	27	Plate cover	1	50A	Tool rest 7"	1
5	Hand wheel	1	28	Bolt M4×10	3	50B	Tool rest 4.5"	1
6	Tailstock	1	29	Spec label	1	51	Bolt	1
7	Spindle lock screw	1	30	Bolt M6×8	1	52	Plate	1
8	Bolt M8×40	1	31	Drive pulley	1	53	Lock bolt for tool	1
9	Sleeve	1	32	Drive belt	1	54	Tool holder lock handle	1
10	Eccentric axis	1	33	Bolt M6×10	1	55	Fuse	1
11	Tailstock sleeve	1	34	Motor pulley	1	56	Carbon brush	2
12	Washer ø 8	3	35	Power cord	1	57	Screw M5×8	4
13	Switch	1	36	Switch box assembly	1	58	Lock sleeve	1
14	Live center assembly	1	37	Bolt M4×10	4	59	Hex sleeve	1
15	Headstock spur	1	38	Bolt M8×25	2	60	Spring pin	2
16	Tailstock lock handle	1	39	Bolt M6×16	2	61	Cable plate	1
17	Face plate	1	40	Motor plate	1	62	Wire gasket	2
18	Headstock spindle	1	41	Motor	1	63	Washer ø 6	2
19	Ball bearing6004-	1	42	Warning label	1	64	Screw M4×14	1
20	Retaining ring ø 42	1	43	Retaining ring ø 10	1	65	Wrench	1
21	Retaining ring ø 42	1	44	Tool rest base	1	66	Push-out rod	1
22	Ball bearing6004-	1	45	Bolt	1	67	Knob	1
23	Headstock	1	46	Plate	1			