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Originalfassung

DE BETRIEBSANLEITUNG

Übersetzung / Translation

EN USER MANUAL

FR MODE D'EMPLOI

CZ NÁVOD K POUŽITÍ

SK NÁVOD K POUŽITIU

TAUCHSÄGE

PLUNGE SAW

SCIE CIRCULAIRE PLONGEANTE

PONORNÁ PILA

PONORNÁ PILA



TAS165

TAS165PRO



**YOUR
JOB.
OUR
TOOLS.**



2 SICHERHEITSZEICHEN / SAFETY SIGNS

DE	SICHERHEITSZEICHEN BEDEUTUNG DER SYMBOLE	EN	SAFETY SIGNS DEFINITION OF SYMBOLS	FR	SIGNALISATION DE SÉCURITÉ DÉFINITION DES SYMBOLES
CZ	BEZPEČNOSTNÍ SYMBOLY VÝZNAM	SK	VÝZNAM BEZPEČNOSTNÝCH SYMBOLOV		



DE CE-KONFORM: Dieses Produkt entspricht den EU-Richtlinien.

EN EC-CONFORM: This product complies with the EC-directives.

FR CE-CONFORME: Ce produit est conforme aux Directives CE.

CZ CE-SHODA: Tento výrobek odpovídá směrnicím ES.

SK CE-SHODNÉ: Tento výrobok zodpovedá smerniciam ES.

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.

DE



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.

FR LIRE LE MANUEL! Lire le manuel d'utilisateur et de maintenance avec soin et vous familiariser avec les contrôles en vue d'utiliser la machine correctement et pour éviter les blessures et les défauts de l'appareil.

CZ PŘEČTĚTE SI TENTO NÁVOD! Přečtěte si řádně návod na obsluhu a údržbu Vašeho stroje a dobře se seznámte s ovládacími prvky stroje, aby byl tento řádně obsluhován a předešlo se ke škodám na stroji a zraněním osob.

SK PREČÍTAJTE SI NÁVOD! Prečítajte si riadne návod na obsluhu a údržbu Vášho stroja a dobre sa oboznámte s ovládacími prvkami stroja, aby bol tento riadne obsluhovaný a predišlo sa ku škodám na stroji a zraneniam osôb.

DE WARNUNG! Beachten Sie die Sicherheitssymbole! Die Nichtbeachtung der Vorschriften und Hinweise zum Einsatz der Maschine kann zu schweren Personenschäden und tödliche Gefahren mit sich bringen.

EN ATTENTION! Ignoring the safety signs and warnings applied on the machine as well as ignoring the security and operating instructions can cause serious injuries and even lead to death.



FR ATTENTION! L'ignorance de la signalisation de sécurité et les avertissements sur la machine et les consignes de sécurité et ignorer les instructions, peut causer des blessures graves et même entraîner la mort.

CZ VÝSTRAHA! Dbejte bezpečnostních symbolů! Nedodržování předpisů a pokynů může vést k těžkým poraněním osob nebo dokonce smrtelným úrazům.

SK VÝSTRAHA! Dbajte bezpečnostných symbolov! Nedodržiavanie predpisov a pokynov môže viesť k ťažkým poraneniam osôb alebo dokonca smrteľným úrazom.

DE Schutzausrüstung tragen!

EN Wear protective equipment!

FR Porter un équipement de protection individuelle!

CZ Používejte ochranné prostředky!

SK Používajte ochranné prostriedky!

DE Maschine vor Wartung und Pausen ausschalten und Netzstecker ziehen!

EN Stop and pull out the power plug before any break and engine maintenance!





- FR** Pare y desenchufe el cable de alimentación antes de cualquier rotura y mantenimiento del motor!
- CZ** Zastavte a před každým přerušením a motorů údržba vytáhněte zástrčku ze zásuvky!
- SK** Zastavte a pred každým prerušenia a motorov údržba vytiahnite zástrčku zo zásuvky!



- DE** Warnung vor Schnittverletzungen!
- EN** Warning of crush injuries!
- FR** Risque de coupures!
- CZ** Pozor na řezná zranění!
- SK** Pozor na rezné poranenia!



- DE** Schutzklasse II!
- EN** Protection class II!
- FR** Classe de protection II!
- CZ** Třída ochrany II
- SK** Trieda ochrany II

- DE** Warningschilder 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.
- 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!
- SK** Varovné štítky a/alebo nálepky na stroji, ktoré sú nečitateľné alebo boli odstránené, musíte okamžite nahradiť novými.

3 TECHNIK / TECHNICS

TECHNIQUE / TECHNICKÁ ČÁST / TECHNIKA

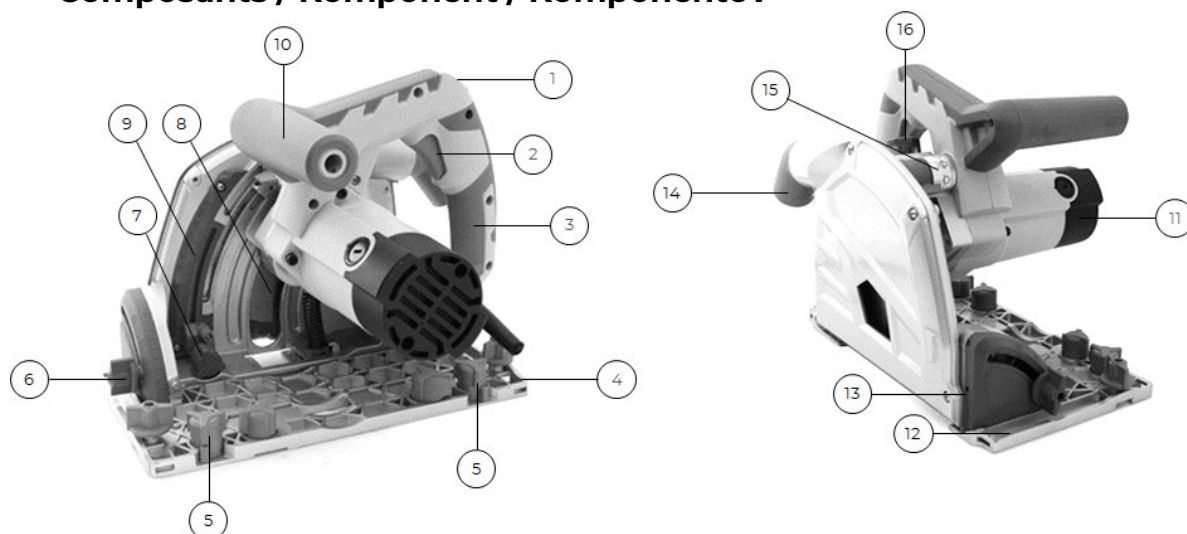
3.1 Lieferumfang / Delivery content

Contenu de la livraison / Rozsah dodávky / Rozsah dodávky

	#	Beschreibung / Description	Qty.
	1	Maschine mit Sägeblatt Ø 165 x Ø20mm 48Z / machine with blade Ø 165 x Ø20mm 48T / Machine et lame de scie Ø 165 x Ø20mm 48Z Stroj včetně pilového kotouče Ø 165 x Ø20mm 48Z Stroj vrátane pílového kotúča Ø 165 x Ø20mm 48Z	1
	2	Staubstreck / dust bag / Sac à copeaux / Prachový sáček / Prachový sáčok	1
	3	Ersatz-Kohlebürsten / carbon brushes replacement / Balais de charbons de remplacement / Náhradní uhlíkové kartáče / Náhradné uhlíkové kefy	2
	4	Inbusschlüssel / Allen key / Clé Allen / imbusový klíč / imbusový klúč	1
	5	Betriebsanleitung / user manual / Mode d'emploi / Návod k použití / Návod k použití	1
	6	TASI65PRO: Alukoffer / alu box / coffret alu / hliníkovém kufru / hliníkový kufor	



3.2 Komponenten / Components / Composants / Komponent / Komponentov



	Beschreibung / Description
1	Freigabetaste / Plunge lock button / Bouton de réglage submersible / Tlačítko zajištění ponoru / Tlačidlo zabezpečenie ponoru
2	Ein-Aus-Schalter / On-off switch / Interrupteur On-Off / Hlavní vypínač zapnuto-vypnuto / Hlavný vypínač zapnuté-vypnuté
3	Griff / Handle / Poignée / Rukojeť / Rukoväť
4	Grundplatte / Baseplate / Socle / Základní deska / Základná doska
5	Feineinstellungsschraube für Führungsschiene / Adjustment screw for guide rail / Vis d'ajustement pour rail de guidage / Šroub jemného ustavení vodící lišty / Skrutka jemného ustavenie vodiace lišty
6	Feststellgriff für vertikalen Gehrungswinkel / Lock knob for bevel angle / Poignée de réglage pour angle de coupe verticale / Aretační páčka pro vertikální úhel úkosu / Aretačná páčka pre vertikálny uhol úkosu
7	Feststellgriff für Tiefeneinstellung / Lock knob for depth adjustment / Poignée de réglage pour ajustage en profondeur / Aretační páčka nastavení hloubky / Aretačná páčka nastavenia hĺbky
8	Sägeblatt / Saw blade / Lame de scie / Pilový kotouč / Pílový kotúč
9	Tiefenskala / Depth scale / Echelle de profondeur / Stupnice hloubky / Stupnica hĺbky
10	Vorderer Handgriff / Front handle / Poignée avant / Přední rukojeť / Predná rukoväť
11	Kohlebürstenabdeckung / Carbon brush cover / Cache du balai de charbon / Kryt uhlíkového kartáčku / Kryt uhlíkového kefy
12	Sägelinienanzeige / Saw line indicator / Affichage des lignes de sciage / Ukazatel linie řezu / Ukazovateľ línie rezu
13	Schnittbreitenanzeige / Cutting width marks / Affichage des largeurs de coupe / Ukazatel šířky řezu / Ukazovateľ šírky rezu
14	Absauganschluss / Dust extractor nozzle / Embout d'aspiration / Hrdlo odsávání prachu / Hrdlo odsávanie prachu
15	Funktionswähler / Function selector / Sélecteur de fonctions / Volba funkce / Vol'ba funkcie
16	Spindelverriegelung / Spindle lock / Verrouillage de la broche / Blokování vřetene / Blokovanie vretena



3.3 Technische Daten / Technical data / Données techniques / Technické údaje

Spezifikation / Specification	TAS165	TAS165PRO
Leistung / power / Puissance / Výkon / Výkon	1,2 kW	1,4 kW
Spannung / rated voltage / Tension / Napětí / Napätie	230 V / 1 Ph / 50 Hz	
Sägeblattdimension / saw blade dimension / Dimensions de la lame de scie / Rozměr pilového kotouče / Rozmer pilového kotúča	Ø 165 x Ø 20 x 2,2 mm 24Z	Ø 165 x Ø 20 x 2,2 mm 48Z
Drehzahl / speed / Régime / Otáčky / Otáčky	5500 min ⁻¹	2000 – 5000 min ⁻¹
Neigungswinkel / bivel angle / Angle d'inclinaison / Úhel sklonu / Náklon píly	0° – 48°	
Schutzklasse / protection class / Classe de protection / Třída ochrany / Trieda ochrany	II	
Absauganschluss / dust collector port / raccord d'aspiration / Přípojky odsávání / Prípojky odsávania	Ø 34,5 mm	
Schnitttiefe / cutting depth / Profondeur de coupe / Hloubka řezu / Hĺbka rezu		
mit (ohne) Schiene / with (without) track / avec (sans) rail / s(bez) lištou / s (bez) lištou	90°: 54 (59) mm	
mit (ohne) Schiene / with (without) track / avec (sans) rail / s(bez) lištou / s (bez) lištou	45°: 38 (42) mm	
Maschinenmaße (LxBxH) / machine dimensions (LxWxH) / Dimensions de la machine (L x l x H) / Rozměr stroje (D x Š x V) / Rozmer stroja (D x Š x V)	305 x 250 x 250 mm	
Verpackungsmaße (LxBxH) / packaging dimensions (LxWxH) / Dimensions d'emballage (L x l x H) / Rozměr balení (D x Š x V) / Rozmer balenia (D x Š x V)	535 x 380 x 300 mm	
Gewicht Brutto / weight gross / Poids Brut / Hmotnost brutto / Hmotnosť brutto	6,5 kg	5,5 kg
Gewicht Netto / weight net / Poids Netto / Hmotnost netto / Hmotnosť netto	7 kg	8,75 kg
Schallleistungspegel L _{WA} / sound power level L _{WA} / Niveau de puissance sonore L _{WA} / Hladina akustického výkonu L _{WA} / Poziom mocy akustycznej L _{WA}	94,8 dB(A).....k: 3 dB(A)	
Schalldruckpegel L _{PA} / sound pressure level L _{PA} / Niveau de pression acoustique L _{PA} / Hladina akustického tlaku L _{PA} / Hladina akustického tlaku L _{PA}	83,3 dB(A).....k: 3 dB(A)	
Vibration a _h / Vibration a _h / Vibration a _h / Vibrace a _h / Vibrace a _h	3,976 m/s ²	k: 1,5 m/s ²

(DE) Hinweis Geräuschangaben: Die angegebenen Werte sind Emissionswerte und müssen damit nicht zugleich auch sichere Arbeitsplatzwerte darstellen. Obwohl es eine Korrelation zwischen Emissions- und Immissionspegeln gibt, kann daraus nicht zuverlässig abgeleitet werden, ob zusätzliche Vorsichtsmaßnahmen notwendig sind oder nicht. Faktoren, welche den am Arbeitsplatz tatsächlich vorhandenen Immissionspegel beeinflussen, beinhalten die Eigenart des Arbeitsraumes und andere Geräuschquellen, d. h. die Zahl der Maschinen und anderer benachbarter Arbeitsvorgänge. Die zulässigen Arbeitsplatzwerte können ebenso von Land zu Land variieren. Diese Information soll jedoch den Anwender befähigen, eine bessere Abschätzung von Gefährdung und Risiko vorzunehmen.

(EN) Notice noise emission: The values given are emission values and therefore do not have to represent safe workplace values at the same time. Although there is a correlation between emission and immission levels, it cannot be reliably deduced whether additional precautions are necessary or not. Factors influencing the actual immission level at the workplace include the nature of the workspace and other noise sources, i.e. the number of machines and other adjacent operations. The permissible workplace values may also vary from country to country. However, this information should enable the user to make a better assessment of hazard and risk.

(FR) Avis Données sur le bruit : Les valeurs indiquées sont des valeurs d'émission et ne représentent donc pas nécessairement des valeurs de sécurité sur le lieu de travail. Bien qu'il existe une corrélation entre les niveaux d'émission et d'immission, il est impossible de déduire de manière fiable si des mesures de précaution supplémentaires sont nécessaires ou non. Les facteurs influençant le niveau d'immission réellement présent sur le lieu de travail comprennent les caractéristiques de la salle de travail et d'autres sources de bruit, c'est-à-dire le nombre de machines et d'autres processus de travail adjacents. Les valeurs autorisées sur le lieu de travail peuvent également varier d'un pays à l'autre. Toutefois, ces informations devraient permettre à l'utilisateur de mieux évaluer le danger et le risque.

(CZ) Poznámka k emisím hluku: Uvedené hodnoty jsou emisní hodnoty, a proto nemusí být nutné bezpečnými hodnotami na pracovišti. Ačkoli existuje korelace mezi úrovní emisí a imisí, nelze spolehlivě odvodit, zda jsou nutné dodatečné preventivní opatření nebo nikoliv. Mezi faktory, které ovlivňují úroveň imisí skutečně přítomných na pracovišti, patří povaha pracovního prostoru a další zdroje hluku; tj. počet strojů a dalších pracovních procesů. Povolené hodnoty na pracovišti se mohou v jednotlivých zemích lišit. Tyto informace by však měly uživateli umožnit lepší odhad nebezpečí a rizik.

(SK) Poznámka k emisiam hluku: Uvedené hodnoty sú emisné hodnoty, a preto nemusí byť nutné bezpečné hodnoty na pracovisku. Hoci existuje korelácia medzi úrovňou emisí a imisí, nemožno spoľahlivo odvodiť, či sú nutné dodatočné preventívne opatrenia alebo nie. Medzi faktory, ktoré ovplyvňujú úroveň imisí skutočne prítomných na pracovisku, patrí povaha pracovného priestoru a ďalšie zdroje hluku; tj. počet strojov a ďalších pracovných procesov. Povolené hodnoty na pracovisku sa môžu v jednotlivých krajinách líšiť. Tieto informácie by však mali užívateľovi umožniť lepši odhad nebezpečenstva a rizik.



9 PREFACE (EN)

Dear Customer!

This manual contains information and important notes for safe commissioning and handling of the plunge saw TAS165 and TAS165PRO hereinafter referred to as “machine” in this document.



This manual is part of the machine and must not be removed. Save it for later reference and if you let other people use the machine, add this manual to the machine.

Please pay special attention to the chapter safety!

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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10 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!

10.1 Intended use of the machine

The machine is designed exclusively for the following activities:

Sawing straight cuts in wood, wood composites or materials with similar physical properties to wood, within the prescribed 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.

10.1.1 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)	-20 °C to +50 °C

10.1.2 Prohibited applications / Dangerous misuse

- Operating the machine without adequate physical and mental fitness.
- Operating the machine without knowledge of the user manual.
- Modifying the machine design.
- Operating the machine in wet and rainy conditions.
- Operating the machine in a potentially explosive environment.
- Operation of the machine in closed rooms without chip and dust extraction
- Operating the machine outside the technical limits specified in this user manual.
- Removing of the safety markings 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.
- Use of tools which do not meet the safety requirements of the standard for machine tools for woodworking (EN847-1).
- Use of saw blades made of HSS steel.
- Cutting firewood and round workpieces
- Use of saw blades with a lower permitted speed than the machine
- 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.



10.2 User requirements

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 operating instructions. 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.

Basic knowledge of woodworking especially the correlation of material, tool, feed and speeds.

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.

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

10.3 Safety devices

The machine is equipped with the following safety devices:

	• Plunge lock button (1) for motor start • Protective device saw blade guard (2)
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10.4 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 have are fitted.
- Make sure that the guards are in good working order and properly maintained.
- Ensure sufficient space around the machine.
- Ensure sufficient lighting conditions at the workplace to avoid stroboscopic effects.
- Ensure a clean working environment.
- Keep the area around the machine free of obstacles (e.g. dust, chips, cut-off workpiece parts, etc.).
- 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.
- 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 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.
- Hide long hair under hair protection.
- Wear close fitting protective work clothing and suitable protective equipment (eye protection, dust mask, ear protection, work gloves only when handling tools).
- 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!



- Connect the machine to a suitable dust collection system.
- Do not use the machine in areas where vapours 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.

10.5 Special safety instructions for this machine

- Check if the motor vent holes are not blocked and that they work right.
- Don't stop the saw blade by applying pressure to the machine or to the side of the saw blade.
- Use the right type of saw blade for the job you want to do. With this machine you can work with wood, laminate, chipboard, plastic sheets and thin non-ferrous metal sheets.
- Never use damaged saw blades or ones with teeth missing.
- Never use blades that have not the right size
- Never use saw blades whose maximum speed is less than the tool's maximum RPM.
- Check that the direction indicated on the saw blade is the same like the rotation direction of the motor.
- Always wear protective gloves when working with the blade.
- Never place your fingers or hand on the item being cut in front of, behind or under the machine while it is running.
- Only saw one item at a time
- Use extra supports (table, trestle, etc) for long items so they do not tip off the workbench.
- Items must be securely clamped. Don't work with items which are too small to clamp.
- Only adjust the machine when it's not running.
- Always keep the spindle and flanges clean.
- The machine should not touch the item when starting.
- Check if the item you want to saw is free from nails, screws or other objects that may damage the saw blade.
- After releasing the on/off-button, the machine will run on a little time
- When sawing through workpieces, the sawing depth must be set so that the blade does not go through the workpiece by more than the height of one tooth.
- Make sure that you do not damage any objects, cables or pipes under or behind the workpiece, e.g. when sawing in floors, walls and ceilings.
- Make sure not to twist the machine, especially when bevelling. This may cause a kickback from the saw groove.

10.6 Hazard warnings

10.6.1 Residual risks

Despite intended use, certain residual risk factors remain.

- Risk of injury due to sharp edges of the workpiece, especially in non-fixed with a suitable tool / device workpiece.
- Risk of injury due to dust emissions, treated with harmful agents workpieces.
- Risk of injury to the eye by flying debris, even with safety goggles.
- Risk of injury due to improper maintenance work.
- Risk of injury due to kickback:

Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled machine to lift up and out of the workpiece toward the operator; When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;



If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

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

- Maintain a firm grip with both hands on the machine and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade. Kickback could cause the machine to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.
- When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the machine motionless in the material until the blade comes to a complete stop. Never attempt to remove the machine from the work or pull the machine backward while the blade is in motion or kickback may occur. Investigate and take corrective actions to eliminate the cause of blade binding.
- When restarting a machine in the workpiece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material. If saw blade is binding, it may walk up or kickback from the workpiece as the machine is restarted.
- Support large panels to minimise the risk of blade pinching and kickback. Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.
- Do not use dull or damaged blades. Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.
- Blade depth and bevel adjusting locking levers must be tight and secure before making cut. If blade adjustment shifts while cutting, it may cause binding and kickback.
- Use extra caution when sawing into existing walls or other blind areas. The protruding blade may cut objects that can cause kickback.

10.6.2 Hazardous situations

Due to the structure 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 designed in this way 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!**



11 OPERATION

Only operate the machine when it is in a perfect condition. Before each operation, a visual inspection of the machine must be carried out. Safety devices, electrical lines and operating elements must be checked carefully.

11.1 Check 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.

11.2 Connection to a dust collection system



A dust collection system should always be connected to the dust collector port (1).

Connect the suction hose (2) to the dust collector port and position it so that the suction hose does not obstruct the work.

If a dust collection system is used, switch it on before starting the cutting process

11.3 Settings

WARNING

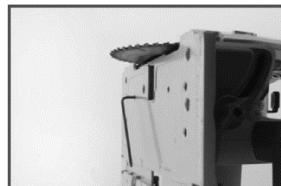
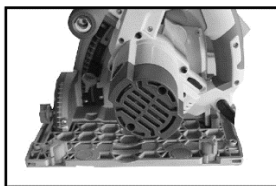


Danger due to electrical voltage!

Handling the machine while it is connected to the power supply can lead to serious injuries or death.

→ Always disconnect the machine from the power supply before carrying out adjustment or maintenance work and secure it against reconnection.

11.3.1 Calibrating a 90° angle



Check that the angle between the saw blade and the baseplate is exactly 90° by using a set square. Adjust the angle using the two screws underneath the baseplate if necessary.

11.3.2 Calibrating a 45° angle



Adjust the saw blade into exactly 45° to the baseplate by using a set square. Loosen the bevel angle indicator and tighten it securely at exactly 45° on the scale.



11.3.3 Adjusting the bevel angle

		- Loosen the lock knobs for bevel angle (6) at the front and rear on the saw and tip the baseplate to the required angle from 0 to 48°. - Then tighten the lock knobs again

11.4 Handling

- Attach the work piece in such way that it cannot move or bend during work and line the work piece respectively.
- Be sure to move the machine forward in a straight line gently. Forcing or twisting the machine will result in overheating the motor and dangerous kickback, possibly causing severe injury.

11.4.1 Switch the machine on and off

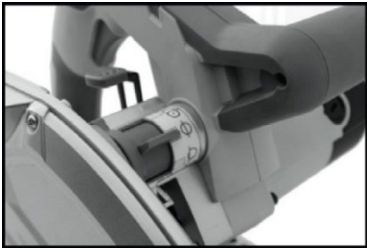
	Switch on 1. Push and hold Plunge lock button (1) 2. Push and hold ON-OFF-switch (2) Switch of Release both switches
--	--

11.4.2 Scoring

	- Set the function selector (15) into the scoring position. - Press the on/off switch (2) to start the saw. - Press the plunge lock button. - When the saw blade has reached full speed, press it down against the workpiece. The depth of the saw blade is limited to 2.5 mm for this function. - The arrow at the 0 mark must be in line with the saw line. - Move the saw forward smoothly and even. - Once you have finished sawing, release the on/off button and lift the plunge saw off the workpiece. Do not put the saw down until the blade has completely stopped running.



11.4.3 Sawing



- Set the function selector (15) to the sawing position.
- Adjust the cutting depth by using the lock knob (7) and check the cutting depth on the depth scale (9).
- Press the plunge lock button and the on/off switch (2) to start the saw.
- Once the saw blade has reached full speed, press it down against the workpiece.
- The cutting depth varies whether you use the guide rail or not. Remember that!
- Move the saw forward smoothly and even.
- Once you have finished sawing, release the on/off button and lift the saw off the workpiece.
- Do not put the saw down until the blade has completely stopped running.
- The cutting width marks (13) indicate the position of the saw blade when plunge sawing.

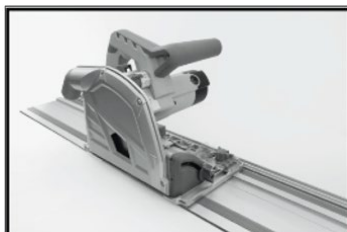
11.4.4 Free Plunge Mode

- Move the mode selector to the free plunge position.
- Set the desired depth of cut. (Ensuring the track compensation feature is in the up position when not using the track).
- Press the plunge lock button and rotate the cutting head forwards and cut to the required depth of cut.

11.4.5 Bevel Cutting

- Loosen the front and rear bevel knobs.
- Adjust to the desired bevel angle.
- Lock the bevel knobs and begin cutting.

11.4.6 Use with a guide rail



- Before initial use, cut the rubber edge off the guide rail.
- Adjust the saw for scoring and make a cut along the entire length of the guide rail.
- Remove the rubber strip that has been cut off.
- If there is a gap between the plunge saw and the guide rail, you should remedy this using the adjustment screws (5).



11.4.7 Track Lock

- Rotate the track lock knob through 90° to fix the saw to the guide rail.
- Set it to the 'I' position to lock and 'O' position to unlock
- Note – the track lock is required when performing bevel cuts.

11.4.8 Track Fine Adjustment

- To remove excessive play between the saw and guide rail use the fine adjust cams.
- Loosen the front and rear fine adjust knobs.
- Adjust the cam lever to remove excess play, then re-tighten the knob. Do this for the front and rear clearance.

12 CLEANING, MAINTENANCE, STORAGE, DISPOSAL

WARNING



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.

CAUTION



- Wear protective cutting gloves when handling the saw blade to reduce the risk of injury!!

12.1 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 a proper tool.
- Motor ventilation vents must be kept clean.

12.2 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 proper and suitable tools.
- Use only original spare parts recommended by the manufacturer.

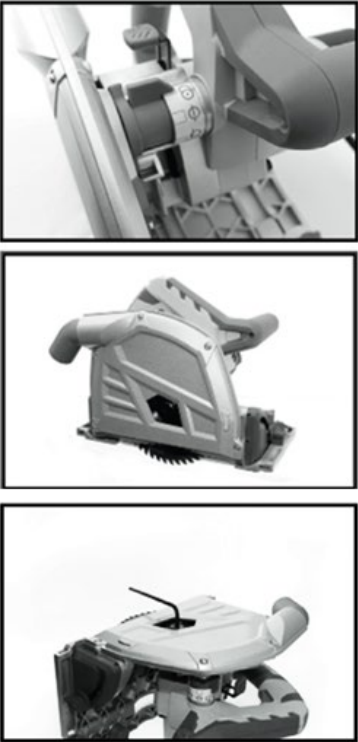
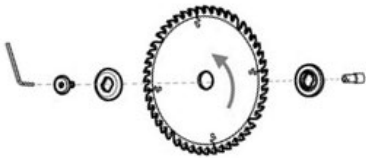
12.2.1 Maintenance plan

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	Components	Action
After each use	• machine	• cleaning
	• motor ventilation vents	• cleaning
	• moveable parts	• cleaning, check for smooth running
	• saw blade	• cleaning, remove resin or glue residue
If required	• saw blade	• sharpen, changing

12.3 Changing saw blade

- Unplug the machine.
- Set the function selector (15) to blade replacement.
- Press the plunge lock button (1) and press the saw blade down until it clicks into the replacement position.
- Set the plunge saw on its side so that the blade guard faces upwards.
- Press the spindle lock (16) in and loosen the locking screw using the Allen key. Remove the locking screw and outer flange.
- Lift the saw blade.
- Make sure that there are no chips or sawdust on the spindle and lock screw.
- The locking screw has to be lubricated with a drop of acid free oil
- Fit in the new saw blade and the other parts in reverse order.
- Check that the direction indicated on the saw blade is the same than the direction of rotation of the motor.
- Release the plunge saw lock and let the saw blade return to its start position.

12.4 Replacing the carbon brushes



- Open the carbon brush covers (11) on the motor carefully and remove the carbon brushes.
- If one or both of the carbon brushes is worn, they must be replaced with new ones of the same type.



12.5 Storage

Store the machine in a dry, frost-proof and lockable place when not in use. Disconnect the machine from the power supply. Make sure that unauthorised persons and especially children do not have access to the machine.

NOTE



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

12.6 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.

13 TROUBLESHOOTING

WARNING



Danger due to electrical voltage!

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

→ Disconnect the machine from the power supply before starting work to eliminate defects!

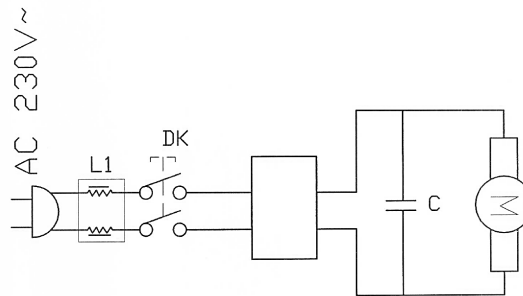
Many possible sources of error can be eliminated in advance if the machine is properly connected to the power supply.

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
Motor does not run	• switch defective	• repair switch
	• Saw unplugged	• check all power connections
	• Overload tripped	• allow motor to cool and reset by pushing off switch
	• Cord damaged	• change cable
Work piece burns during the working process	• wrong/blunt saw blade	• change saw blade
	• too much pressure	• reduce pressure



29 ELEKTRISCHER SCHALTPLAN / WIRING DIAGRAM



30 ERSATZTEILE / SPARE PARTS

PIÈCES DE RECHANGE / NÁHRADNÍ DÍLY

30.1 Ersatzteilbestellung / Spare parts order

Commande de pièces détachées / Objednání náhradních dílů

(DE) Mit HOLZMANN-Ersatzteilen verwenden Sie Ersatzteile, die ideal aufeinander abgestimmt sind. Die optimale Passgenauigkeit der Teile verkürzen die Einbauzeiten und erhöhen die Lebensdauer.

HINWEIS



Der Einbau von anderen als Originalersatzteilen führt zum Verlust der Garantie! Daher gilt: Beim Tausch von Komponenten/Teile nur vom Hersteller empfohlene Ersatzteile verwenden.

Bestellen Sie die Ersatzteile direkt auf unserer Homepage-Kategorie ERSATZTEILE oder kontaktieren Sie unseren Kundendienst

- über unsere Homepage-Kategorie SERVICE-ERSATZTEILANFORDERUNG,
- per Mail an service@holzmann-maschinen.at.

Geben Sie stets Maschinentype, Ersatzteilnummer sowie Bezeichnung an. Um Missverständnissen vorzubeugen, empfehlen wir, mit der Ersatzteilbestellung eine Kopie der Ersatzteilzeichnung beizulegen, auf der die benötigten Ersatzteile eindeutig markiert sind, falls Sie nicht über den Online-Ersatzteilkatalog anfragen.

(EN) With original HOLZMANN spare parts you use parts that are attuned to each other shorten the installation time and elongate your products lifespan.

NOTE



The installation of parts other than original spare parts leads to the loss of the guarantee! Therefore: When replacing components/parts, only use spare parts recommended by the manufacturer.

Order the spare parts directly on our homepage-category SPARE PARTS or contact our customer service

- via our Homepage-category SERVICE-SPARE PARTS REQUEST,
- by e-mail to service@holzmann-maschinen.at.

Always state the machine type, spare part number and designation. To prevent misunderstandings, we recommend that you add a copy of the spare parts drawing with the spare parts order, on which the required spare parts are clearly marked, especially when not using the online-spare-part catalogue.

(FR) Les pièces de rechange HOLZMANN sont conçues pour correspondre idéalement. La précision d'ajustage optimale des pièces réduit les temps de pose et augmente la durée de vie.

AVIS



Le montage de pièces autres que les pièces de rechange d'origine entraîne la perte de la garantie ! Par conséquent, la règle est la suivante : Utiliser uniquement des pièces de rechange recommandées par le fabricant pour le remplacement des composants/pièces.

Commandez les pièces de rechange directement sur notre page d'accueil – catégorie PIÈCES DE RECHANGE ou contactez notre service client

- via la catégorie SERVICE-DEMANDE D'ASSISTANCE de notre page d'accueil,
- par e-mail à l'adresse service@holzmann-maschinen.at.

Toujours indiquer le type de machine, le numéro de pièce de rechange et la désignation. Afin d'éviter tout malentendu, nous vous recommandons de joindre une copie du plan des pièces détachées à la commande de pièces détachées, sur laquelle les pièces détachées requises sont clairement indiquées, si vous ne faites pas la demande via le catalogue de pièces de rechange en ligne.



(CZ) V podobě náhradních dílů HOLZMANN používáte náhradní díly, které jsou vzájemně zkoordinovány. Optimální přesnost lícování dílů zkracuje dobu montáže a prodlužuje životnost.

OZNÁMENÍ



Montáž jiných než originálních náhradních dílů způsobí ztrátu záruky! Proto platí: Při výměně komponent/dílů používejte jen výrobcem doporučené náhradní díly.

Náhradní díly objednávejte přímo na naší domovské stránce – kategorie NÁHRADNÍ DÍLY, nebo kontaktujte náš zákaznický servis

- přes naši domovskou stránku – kategorie SERVIS – ŽÁDOST O NÁHRADNÍ DÍLY,
- e-mailem na service@holzmann-maschinen.at.

Vždy uveďte typ stroje, číslo náhradního dílu a označení. Abychom předešli nedorozumění v případě, že nepožadujete náhradní díly prostřednictvím online katalogu náhradních dílů - přiložte výkres náhradních dílů, na kterém jsou požadované náhradní díly zřetelně vyznačeny.

(SK) S náhradnými dielmi HOLZMANN používate náhradné diely, ktoré sú ideálne vzájomne zladené. Optimálna presnosť rozmerov a lícovania dielov sa skrátia časy montáže a predĺži životnosť.

OZNÁMENIE



Montáž iných, než originálnych náhradných dielov má za následok stratu záruky! Preto platí: Používajte pri výmene komponentov/dielcov iba výrobcom odporúčané náhradné diely.

Objednávajte náhradné diely priamo na našej domovskej stránke – kategória NÁHRADNÉ DIELY, alebo sa spojte s našim servisom pre zákazníkov

- prostredníctvom našej kategórie domovskej stránky SERVIS-POŽIADAVKA NÁHRADNÝCH DIELOV,
- prostredníctvom mailu na service@holzmann-maschinen.at.

Vždy uvádzajte typ stroja, číslo náhradného dielu, ako aj jeho názov. Aby sa zabránilo nedorozumeniam a pokiaľ neobjednávate prostredníctvom on-line katalógu náhradných dielov odporúčame, priložiť k objednávke náhradných dielov kópiu výkresu náhradných dielov, na ktorom budú jednoznačne označené potrebné náhradné diely.

31 ZUBEHÖR / ACCESSORIES



FS1500

(DE) Optionales Zubehör finden Sie online auf der Produktseite, Kategorie EMPFOHLENES ZUBEHÖR ZUM PRODUKT.

(EN) Optional accessories can be found online on the product page, category RECOMMENDED PRODUCT ACCESSORIES.

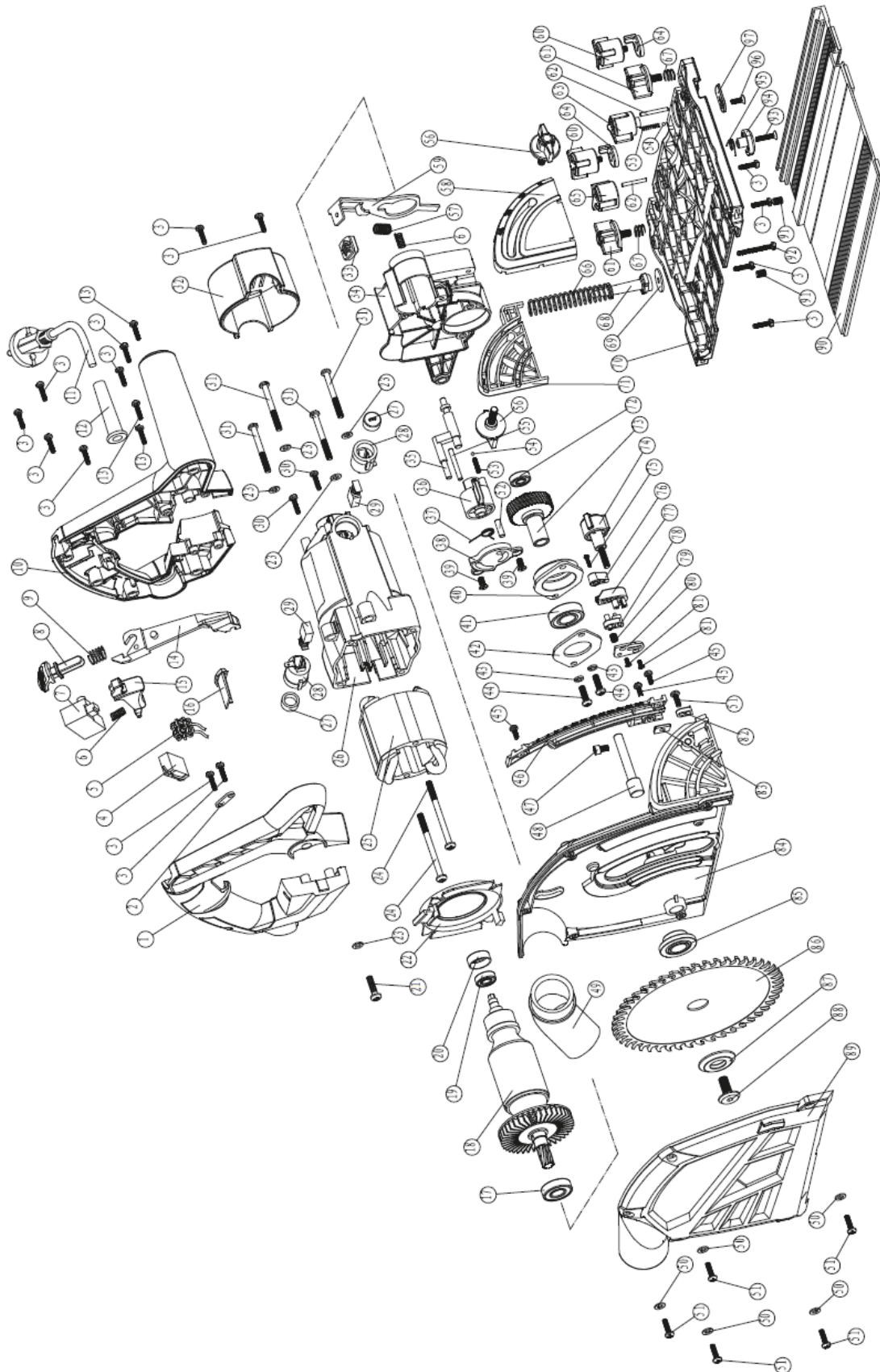
(FR) Des accessoires en option sont disponibles en ligne sur la page produit, catégorie PRODUITS RECOMMANDÉS.

(CZ) Volitelné příslušenství najdete na internetu na stránce výrobku, kategorie DOPORUČENÉ VÝROBKY.



31.1 Explosionszeichnung / Exploded view

31.1.1 TAS165

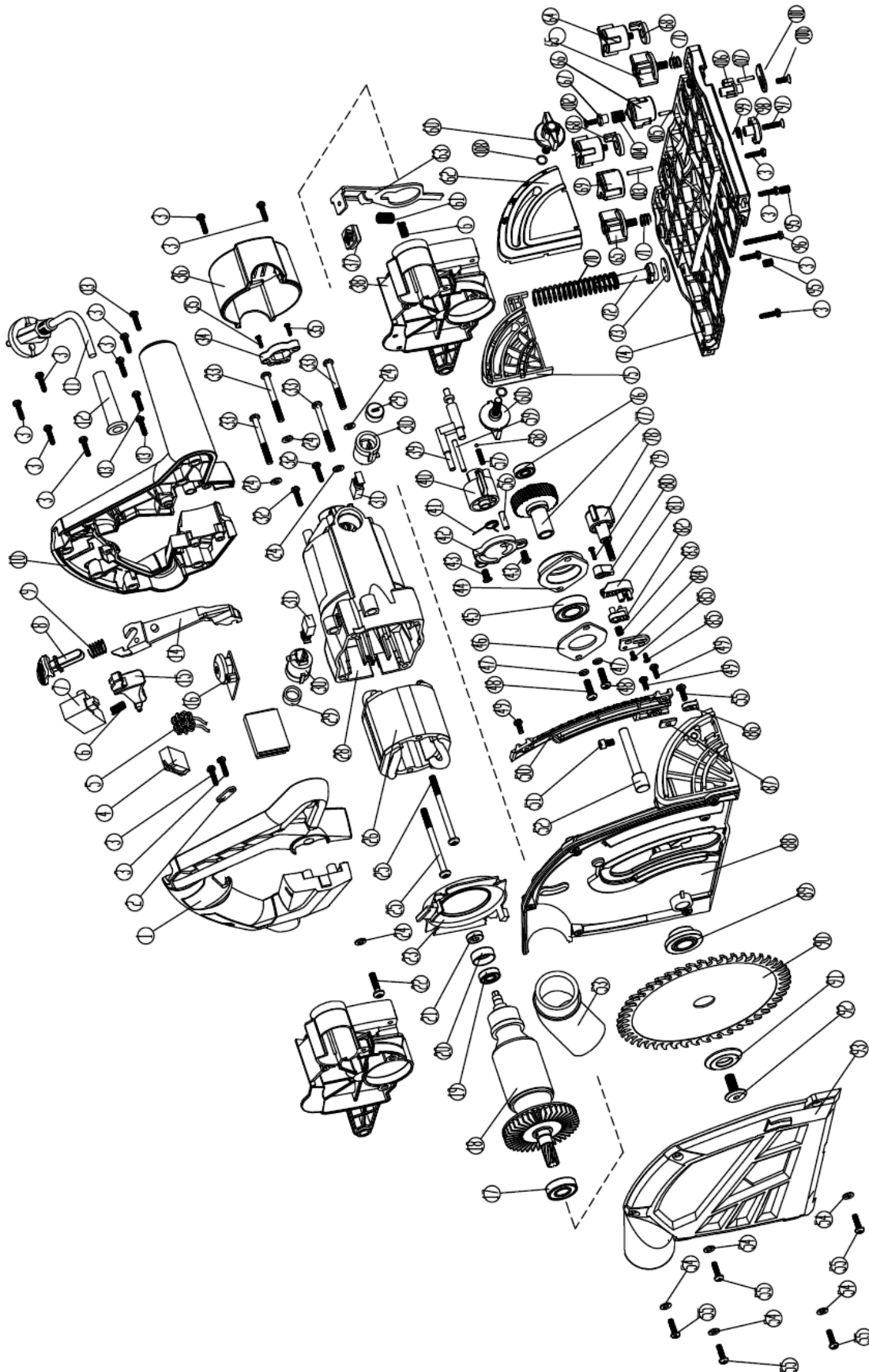




No.	Description	Qty.	No.	Description	Qty.	No.	Description	Qty.
1	right handle	1	34	middle support	1	67	anti-release spring	2
2	cord clamping plate	1	35	lock pin	1	68	locating rod of returning spring	1
3	tapping screw ST4x16	14	36	dialing knob of lock pin	1	69	washer of locating rod	1
4	capacitor	1	37	returning spring of lock pin	1	70	baseplate	1
5	inductor	2	38	dialing knob cover of lock pin	1	71	angle support (left)	1
6	returnning spring	2	39	sunk screw M5x8	2	72	bearing 607zz	1
7	single speed switch	1	40	bearing baseplate	1	73	gear assembly	1
8	linkage button	1	41	bearing 6002zz	1	74	depth locking knob	1
9	returnning spring of linkage button	1	42	clamping plate of bearing baseplate	1	75	tapping screw ST2.5x10	1
10	left handle	1	43	spring washer Ø5	2	76	depth adjusting block	1
11	power cord & plug	1	44	pan head screw M5x16	2	77	depth indication frame	1
12	cord shield	1	45	pan head screw M4x8	2	78	depth adjusting knob	1
13	tapping screw ST4x20	3	46	depth index plate	1	79	locating spring	1
14	linkage connecting rod	1	47	screw M5x8	1	80	baseplate	1
15	switch trigger	1	48	connection axis	1	81	tapping screw ST3X6	2
16	check block of speed regulation holes	1	49	dust collection tube	1	82	angle indication block	1
17	bearing	1	50	flat washer Ø4	5	83	depth clamping nut	1
18	rotor assembly	1	51	pan head screw	6	84	head shell	1
19	bearing 398zz	1	52	locating pin	1	85	backing flange	1
20	skockproof ring	1	53	locating spring	2	86	saw blade	1
21	screw M5x30	1	54	steel ball Ø3	2	87	outer flange	1
22	wind shield	1	55	roller pin Ø4x31	1	88	clamping screw	1
23	flat washer Ø5	5	56	locking knob of angle	2	89	cover of head shell	1
24	tapping screw ST5x68	2	57	returning spring of spindle lock	1	90	orbit	1
25	stator assembly	1	58	angle support right	1	91	set screw M6x8	2
26	housing	1	59	spindle lock	1	92	tapping screw ST4x34	1
27	carbon brush cap	2	60	adjusting locking knob of orbit	2	93	tapping screw ST4x20	1
28	brush holder	2	61	locking knob of guide ruler	2	94	stop cam of orbit	1
29	carbon brush	2	62	locating pin	2	95	returning spring	1
30	tapping screw ST4x11	2	63	prevent fall knob for orbit	1	96	tapping screw ST4x10	1
31	screw M5x45	4	64	adjusting block of orbit	2	97	prevent fall knob	1
32	back cover	1	65	cam knob	1			
33	spindle lock sleeve	1	66	returning spring	1			



31.1.2 TAS165PRO





No.	Description	Qty	No.	Description	Qty
1	allen wrench 5	1	46	blade	1
2	hex nut M5	1	47	inner compression plate Ø 20	1
3	right handle	1	48	shaft	1
4	cord clamp	1	49	dust tube 1	1
5	cross pan head self-drilling screw	2	50	dust tube 2	1
6	circuit board compoments/230V	1	51	blade back cover	1
7	Three tooth buckle	4	52	hexagon socket cap screws M5X12	1
8	Rectangular inductive	1	53	clamping nut for depth adjustment	1
9	capacitor 0.22µF	1	54	depth indicator	1
10	main switch	1	55	cross pan head screw M4X8	3
11	spring	2	56	cross pan head screw M5X16	2
12	switch button	1	57	spring washer 5	2
13	lock button	1	58	compression plate	1
14	spring	1	59	bearing 6002-2RS	1
15	connecting rod	1	60	shaft front cover	1
16	left handle	1	61	shaft Ø 15	1
17	power cord jacket	1	62	woodruff key 3X3.7X10	1
18	plum flower pan head self-drilling screw ST4.2X16	8	63	gear	1
19	plum flower pan head self-drilling screw ST4.2X22	4	64	wave washer 12	1
20	cross pan head screw M5X85	1	65	circlip for hole 12	1
21	power cord and plug VDE H05VV-F2X1mm2	1	66	bearing 607-2Z	1
22	bearing 6001-2Z	1	67	philips countersunk screw M5X8	2
23	rotor / 230V	1	68	pin buttor cover	1
24	bearing 698-2Z	1	69	spring 2	1
25	bearing house 17#	1	70	pin button	1
26	break wind ring	1	71	roung pin Ø4X30	1
27	cross pan head self-drilling screw ST4.8X70	2	72	locating spring	1
28	stator /230v	1	73	steel ball 4	1
29	tension spring	2	74	lock pin	1
30	H shape buckle	2	75	gear house	1
31	motor house	1	76	spring	1
32	carbon brush /230v	2	77	self lock plate	1
33	brush holder	2	78	self lock plate cover	1
34	brush holder cap	2	79	cutting angle indicator	1
35	magnet ring	1	80	flat washer 4	1
36	magnet ring cop	1	81	cross pan head screw M4X16	1
37	cross pan head self-drilling screw ST2.8X8	2	82	cross pan head screw M3X6	2
38	soket head cap screw M5X45	4	83	support plate for depth indicator	1
39	motor house cover	1	84	locating spring	1
40	The plum flower pan head screw M4	5	85	balance depth knob	1
41	spring washer 4	5	86	depth indicator frame	1
42	flat washer 4	5	87	lever	1
43	blade front cover	1	88	cross pan head self-drilling screw ST2.5X8	1
44	clamping screw M8X18	1	89	depth clamping knob	1
45	outter compression plate Ø 15	1	90	guider	1
91	cross pan head self-drilling screw ST4.2X16	4	104	locating knob	1
92	angle clamping knob	2	105	round pin Ø3X20	1
93	washer	2	106	knob	1
94	angle frame (left)	1	107	spring	1
95	foot plate	1	108	knob	1
96	cross pan head self-drilling screw ST4.2X34	1	109	round pin Ø3X14	1
97	washer for locating lever	1	110	block	1
98	locating lever	1	111	countersunk head tapping screws ST4X12	1
99	spring	1	112	spring	1
100	spring	2	113	stop knob	1
101	clamping knob	2	114	countersunk head tapping screws ST4X20	1
102	clamping knob	2	115	pin	2
103	orbital adjustment block	2	116	angle frame(right)	1



32 EG-KONFORMITÄTSERKLÄRUNG / CE-CERTIFICATE OF CONFORMITY

	HOLZMANN MASCHINEN® GmbH 4170 Haslach, Marktplatz 4, AUSTRIA Tel.: +43 7289 71562-0 www.holzmann-maschinen.at
Bezeichnung / name	
TAUCHSÄGE / PLUNGE SAW	
Typ / model	
TAS165 TAS165PRO	
EU-Richtlinien / EC-directives	
• 2006/42/EC • 2014/30/EC • 2011/65/EC	
Angewandte Normen / applicable Standards	
EN 62841-1:2015; EN 62841-2-5:2014; EN IEC 55014-1:2021; EN IEC 55014-2:2021; EN IEC 61000-3-2:2019+A1; EN 61000-3-3:2013+A1	

(DE) Hiermit erklären wir, dass die oben genannten Maschinen aufgrund ihrer Bauart in der von uns in Verkehr gebrachten Version den grundlegenden Sicherheits- und Gesundheitsanforderungen der angeführten EU-Richtlinien entsprechen. Diese Erklärung verliert ihre Gültigkeit, wenn Veränderungen an der Maschine vorgenommen werden, die nicht mit uns abgestimmt wurden.

(EN) Hereby we declare that the above mentioned machines meet the essential safety and health requirements of the above stated EC directives. Any manipulation or change of the machine not being explicitly authorized by us in advance renders this document null and void.

(FR) Nous déclarons que la machine mentionnée sur ce document est aux normes de sécurité de la directive de la CE. La modification des paramètres de la machine sans notre autorisation aura comme résultat la résiliation de ce contrat.

(CZ) Tímto prohlašujeme, že výše uvedený typ stroje splňuje bezpečnostní a zdravotní požadavky norem EU. Toto prohlášení ztrácí svou platnost, pokud by došlo ke změnám nebo úpravám stroje, které námi nebyly odsouhlaseny.

(SK) Týmto prehlasujeme, že vyššie uvedený typ stroja spĺňa bezpečnostné a zdravotné požiadavky noriem EÚ. Toto vyhlásenie stráca svoju platnosť, ak by došlo k zmenám alebo úpravám stroja, ktoré nami neboli odsúhlasené.

Technische Dokumentation
HOLZMANN MASCHINEN GmbH
4170 Haslach, Marktplatz 4

Haslach, 22.05.2024
Ort / Datum place/date

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GmbH
Marktplatz 4, 4170 Haslach
weiterer Standort:
Gewerbepark 8, 4707 Schlusberg
www.holzmann-maschinen.at

DI (FH) Daniel Schörgenhuber
Geschäftsführer / Director