

Hobby Tool Kit

- GB** OWNER'S OPERATING MANUAL

- D** BENUTZERHANDBUCH

- F** MANUEL D'UTILISATION

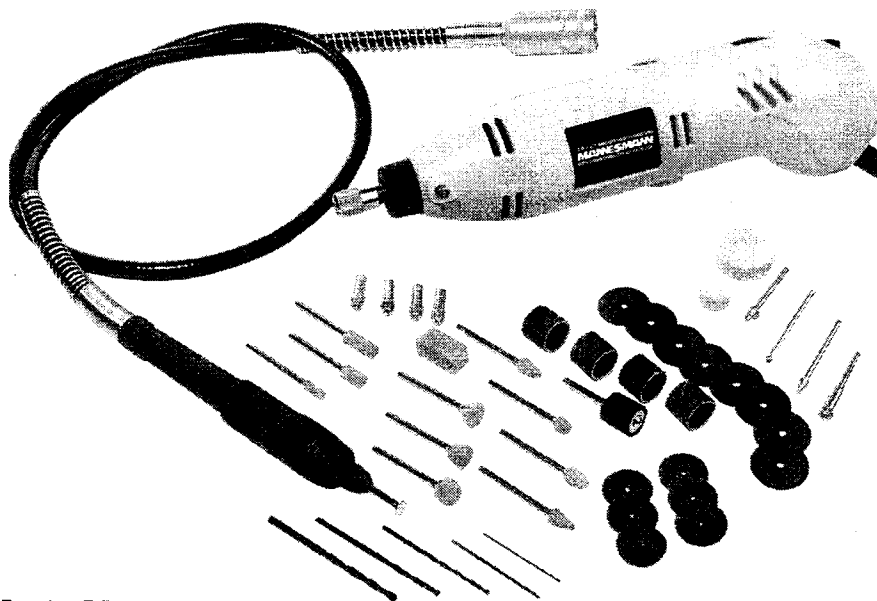
- NL** GEBRUIKSAANWIJZING

- I** MANUALE DI UTILIZZAZIONE

- E** MANUAL DEL USUARIO

- P** MANUEL DE INSTRUÇÕES

- S** ÄGARENS HANDBOK



- Double Insulated
- Doppelisolierung
- Double Isolation
- Dubbel Geïsoleerd
- Doppio isolamento
- Doble Aislacion
- Insulação Dupla
- Dubbelisolerad

Art.-Nr. 92570



Diese Gerät ist funkentstört gemäß CE EN55014 und EN61000



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

Read all these instructions before operating this product and save these instructions.

- **Keep work area clean**
Cluttered areas and benches invite injuries.
- **Consider work area environment**
Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep work area well lit. Do not use power tools where there is risk to cause fire or explosion.
- **Guard against electric shock**
Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
- **Keep children away**
Do not let visitors touch the tool or extension cord. All visitors should be kept away from area.
- **Store idle tools**
When not in use, tools should be stored in a dry, high or locked up place, out of reach of children.
- **Do not force the tool**
It will do the job better and safer at the rate for which it was intended.
- **Use the right tool**
Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for purposes not intended; for example, do not use circular saws to cut tree limbs or logs.
- **Dress properly**
Do not wear loose clothing or jewellery, they can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protecting hair covering to contain long hair.
- **Use safety glasses**
Also use face or dust mask if the cutting operation is dusty.
- **Connect dust extraction equipment**
If devices are provided for the connection of dust extraction and collection facilities ensure these are connected and properly used.
- **Do not abuse the cord**
Never carry the tool by the cord or yank it to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
- **Secure work**
Use clamps or a vice to hold the work. It is safer than using your hand and it frees both hands to operate the tool.
- **Do not overreach**
Keep proper footing and balance at all times.
- **Maintain tools with care**
Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubrication and changing accessories. Inspect tool cord periodically and if damaged have it repaired by an authorized service facility. Inspect extension cords periodically and replace, if damaged. Keep handles dry, clean and free from oil and grease.
- **Disconnect tools**
When not in use, before servicing and when changing accessories such as blades, bits and cutters.
- **Remove adjusting keys and wrenches**
Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
- **Avoid unintentional starting**
Do not carry a plugged-in tool with a finger on the switch. Ensure switch is off when plugging in.
- **Use outdoor extension leads**
When tool is used outdoors, use only extension cords intended for outdoor use.
- **Stay alert**
Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- **Check damaged parts**
Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.
- **Warning!**
The use of any accessory or attachment, other than those recommended in this instruction manual, may present a risk of personal injury.
- **Have your tool repaired by a qualified person**
This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.



HOBBY TOOL SAFETY PRECAUTIONS

1. Never hold accessories in one hand and the tool in the other hand while in use.
2. Inspect your workpiece before cutting. When cutting irregularly shaped workpieces, plan your work so it will not slip and pinch the bit and be torn from your hand.
3. Inspect tool cords periodically and if damaged, have repaired by an authorized service facility or other qualified service organization. Stay constantly aware of the cord location and keep it well away from the accessories.
4. Keep your Hobby Tool dry, clean, and free from oil and grease.
5. Inspect extension cords periodically and replace if it is damaged.
6. Watch what you are doing, do not operate the tool when you are tired. Do not rush.
7. Keep cutting wheel accessory clean and sharp, sharp wheels minimize stalling.
8. Never use in an explosive atmosphere. Normal sparking of the motor could ignite fumes.
9. Always remove the plug from the power socket before carrying out any work on the machine, when interrupting work and when not using the tool.
10. Always direct power cable to the rear away from the tool.
11. Always switch off the tool and allow to come to a stop before putting down.
12. Do not carry the machine by the cable.
13. Do not use the grinding tools grind materials with asbestos.
14. Observe the direction of rotation. Always hold the machine so that sparks or grinding dust are diverted away from the body.
15. When grinding metal, flying sparks are produced take care that no person are endangered. Because of the danger of fire, no combustible materials should be located in the spark flight zone.
16. Do not drop this tool. Use caution while holding or walking with the handy power tool. Accessories are sharp and possible serious injury could result the tool is dropped on your foot or your hand.
17. Always unplug the tool before changing accessories, collects or servicing the Hobby Tool.
18. Do not engage shaft lock while Hobby Tool is running.
19. Do not use grinding wheels over 25.4mm in diameter. The tools high speed on cause larger wheels to fly apart and may cause personal injury.
20. Keep extension cords away from the cutting area and position the cord so that it will not get caught on lumber, tools etc., during cutting.
21. Check extension cords before each use. If damaged replace immediately. Never use tool with a damaged cord since touching the damaged area could cause electrical shock resulting in serious injury.
22. Save these instructions. Review them frequently and use them to instruct others who may use this tool. If you loan this tool to someone, loan them these instructions as well.
23. Refer to the label for the production date.

HOBBY TOOL INTRODUCTION

Before attempting to use your Hobby Tool, familiarize yourself with all operating features. See Fig. 1 Your Hobby Tool is handful of high speed power. It is an efficient, versatile, and highly maneuverable tool designed for carving, grinding, polishing, sanding, cutting, power brushing, drilling and more.

The Hobby Tool has a small, powerful electric motor, is comfortable in the hand, and is made to accept a large variety of accessories including cut-off discs, grinding stone, wire brush, polishing points, engraving cutter, sanding discs and cutting wheels, Accessories

comes in a variety of shapes and permit you to do a number of different jobs. As you become familiar with the range of accessories and their uses, you will just learn how versatile the Hobby Tool is.

The Hobby Tool is equipped with variable speed switch, see Fig. 1. The tool operates at speeds 8,000-30,000 R.P.M. See the speed dial to fit the job, to achieve the best job results when working with different materials, the speed of the Hobby Tool should be regulated.



WARNING: Your Hobby Tool should never be connected to power source when you are assembling parts, making adjustments, assembling or replacing accessories, cleaning, or when not in use. Disconnecting the Hobby Tool will prevent accidental starting that could cause serious personal injury.

SPECIFICATIONS

Input230V~, 50-60Hz, 130Watt
No Load Speed	8,000~30,000R.P.M.
A-weighted equivalent sound pressure level76.4 dB(A)
sound power level	89.4 dB(A)
According to the standard EN50144-1 under "Load" condition	
The weighted root mean square	4.5 m/s ²

INSTALLING ACCESSORIES

1. Unplug your Hobby Tool.



WARNING: Failure to unplug your Hobby Tool could result in accidental starting, causing possible serious personal injury.

2. To loosen, press the lock button, and rotate the shaft by hand until the short lock engages the shaft, preventing further rotation. (Fig. 3)



WARNING: Do not engage the lock while the Hobby Tool is running.

3. Insert the shank of the cutter into the bottom of the collet, then pull it out 1.6mm to allow for expansion when the accessory gets hot.
4. With the lock button engaged, tighten the collet nut until the accessory shank is gripped by the collet. Avoid excess tightening of the collet nut (Fig. 4)



WARNING: If collet nut is not tightened securely, accessory may come out during use, resulting in possible serious personal injury.



WARNING: Before connecting your Handy Power to power supply source, always check to be sure switch is in "OFF" position. Failure to do so could result in accidental starting of the Hobby Tool resulting in possible serious injury.

CHANGE COLLETS

To install a new collect, remove the collet nut and remove the old collet. Insert the unplotted end of the collet in the hole in the end of the tool shaft. Replace the collet nut on the shaft. **Always use the collet which matches the shank size of the accessory you plan to use.** Never force a large diameter shank into a collet. The accessory should fit smoothly into the collet, but you should be able to tighten the accessory firmly and securely with the wrench provided.

BALANCING ACCESSORIES

For precision work, it is important that all accessories be properly balanced. To balance an accessory, slightly loosen the collet nut, and give the accessory or collet a 6mm turn. You should be able to tell by the sound and feel if your accessory is running in balance. Continue adjusting in this fashion until the best balance is achieved. Replace accessories which become damaged or unbalanced. **USE ONLY RECOMMENDED ACCESSORIES.**



WARNING: Do not use grinding wheels over 1 inch in diameter. The Hobby Tool high speed can cause larger wheels to fly apart and may cause serious injury.



WARNING: Protect your eyes when grinding or carving with the Hobby Tool! Always wear safety glasses.

OPERATION



WARNING: Always wear safety goggles or safety glasses with side shields when using Hobby Tool. Failure to wear proper eye protection could result in shaving, chips, loose particles or foreign objects being thrown into your eyes resulting in possible serious injury. If the operation is dusty, also wear a face or dust mask.



WARNING: Be careful not to let your hand cover the air vents. (Fig. 6)



WARNING: Running collet nut will get hot. Do not loose the collet nut right away while it just stop.

The first step in learning to use the Hobby Tool is to get the "Feel" of it. Hold it in your hand and feel its weight and balance. Feel the taper of the housing. This taper permits the Hobby Tool to be grasped much like a pen or pencil.

When you turn on the tool for the first time, hold it away from your face. Examine your Hobby Tool accessories carefully. damaged accessories can fly apart as they come up to speed and should not be used. The use of damaged accessories can result in serious personal injury.

When applicable, clamp, or otherwise secure the work to prevent it from moving under your rotary tool.



WARNING: Unsecured work could be thrown towards the operator, causing injury.



WARNING: Always make certain that the area where you are going to use the Hobby Tool is free of nails or any other obstructions.

Practice on scrap materials first to see how the Hobby Tool operates. Keep in mind that the work is done by the speed of the tool and by the accessory in the collet. You should not lean on or push the tool into the work.

Lower the spinning accessory lightly to the work and allow it to touch the point at which you want cutting, sanding, etc. to begin. concentrate on guiding the tool over the work, using very little pressure from your hand Allow the accessory to do the work.

It is best to make a series of passes with the tool rather than attempt to do all of the work in one pass. To make a cut, pass the tool back and forth over the work like you would a small paint brush. Cut a little material on each pass until you reach the desired depth. For most work, the deft, gentle touch is best. You will have the best control, be less likely to make errors, and get the most efficient work out of the accessory.

For best control in close work, grip the Hobby Tool like a pencil between your thumb and forefinger. (Fig. 7)

A "handgrip" method of holding the tool is used for operations such as grinding a flat surface or using cut-off discs. (Fig. 8)

USING THE HOBBY TOOL



WARNING: when using the engraving cutter, cut-off discs, and sanding discs, always have the work securely clamped. Never attempt to hold the work with one hand while using any of these accessories. The discs could grab if they become slightly angled in the groove, and kickback can result, which means loss of control, resulting in serious injury. Your second hand should be used to steady and guide the hand holding the tool. When a cut-off disc grabs, the disc itself usually breaks. When the engraving cutter grabs, it may jump from the groove and you may lose control of the tool.

OPERATING SPEEDS AND ACCESSORIES

Set the speed dial to fit the job; to achieve the best results when working with different materials, the speed of the Handy Power should be regulated.

To select the right speed for each job, use a practice piece of material. Vary speed to find the best speed for the accessory you are using and the job to be done.

Your Handy Power is a variable speed model.

Turn the dial to select the desired operating speed from 8,000-30,000 R.P.M.

NEED OF SLOWER SPEEDS

Certain materials, such as some plastics for example, require a relatively slow speed because the friction of the high speed.

Slow speeds (15,000 rpm or less) usually are best for polishing operation employing the polishing accessories. They may also be best for working on delicate projects, delicate wood carving and fragile model parts. You should always do polishing with wire brush accessories at slower speeds and never higher than 15,000/min.

Higher speeds are better for carving, cutting, and shaping wood.

Hardwoods, metals, and glass require high speed operation. Drilling should also be done at high speeds.

The speed of the Handy Power controlled adjusting the variable speed dial. (Fig. 9) The reference speed range is as the chart below.



WARNING: When servicing, use only identical replacement parts. Use of any other parts, may create a hazard or cause product damage.

GENERAL

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, etc.

Do not use electric tools on fiberglass and other abrasive materials as the abrasive material tends to cause accelerated wear and possible premature failure of bearings, brushes, commutator and other parts. Consequently, this tool should not be used for work on fiberglass or other abrasive materials.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication is required.

• INSTALL CUT-OFF WHEEL

1. Loose the screw in opposite clock-wise direction.
2. Put the cutting wheel on mandrel.
3. Tight the screw in clock-wise direction

• INSTALL SANDING ROLLER (FIG. 10)

1. Loose the nut of sanding band.
2. Put the sanding roller on.
3. Tighten the nut in clock-wise direction.

• INSTALL POLISH WHEEL (FIG. 11)

Screw the mandrel into the polish wheel.

• INSTALL FLEXIBLE SHAFT

1. Remove the black plastic ring from the front of the housing by turning anti-clockwise.
2. Fasten the shaft in the same way in the collet as any accessory.
3. Push the protection ring against the thread on the housing and fasten by turning clockwise.
4. Use the attached locking-pin to protect the shaft rotate by putting it into the hole of the handle while fastening or loosening the collet nut.
5. You may hang up the machine by using the hanger mounted at the rear of the machine.

2 YEARS FULL GUARANTEE

The warranty period for this equipment starts on the date of purchase. Please document the date of purchase by presenting the original receipt. We guarantee the following during the warranty Period:

- free elimination of possible damages
- free replacement of all parts that became damaged
- including free specialist's service (i.e. assembly by our specialists free of charge)

All of the above are based upon the fact, that damages are not due to improper treatment. In the event that you should have any questions or quality problems, please contact the manufacturer directly:

Brüder Mannesmann Werkzeuge GmbH & Co.
Abt.Reparatur-Service
Lempstr.24

42859 Remscheid
telephone: (0)2191/37 14 71
telefax: (0)2191/38 64 77

In the event that your power tool has been used so much that it has to be replaced, or whenever you have no further use for it, please consider the environment. Electrical equipment does not belong with your regular rubbish. Instead, it can be used in an environmentally beneficial manner.

Please ask your BRÜDER MANNESMANN dealer about this.

KONFORMITÄTSERKLÄRUNG DECLARATION OF CONFORMITY

Hobby Tool Kit

Art.-Nr. 92570

ENGLISH

CE-DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product is in conformity with the following standards or standardized documents.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

DEUTSCH

CE-KONFORMITÄTSERKLÄRUNG

Wir erklären in alleiniger Verantwortung, daß dieses Produkt mit den folgenden Normen oder normativen Dokumenten übereinstimmt.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

FRANCAISE

DÉCLARATION „CE“ DE CONFORMITÉ

Nous déclarons sous notre propre responsabilité que ce produit est en conformité avec les normes ou documents normalisés suivants.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

ITALIANO

DICHLARAZIONE DI CONFORMITÀ CE

Dichiaro assumendo la piena responsabilità di tale dichiarazione, che il prodotto è conforme alla seguenti normative e ai relativi documenti.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

ESPAÑOL

DECLARACION DE CONFORMIDAD CE

Declaramos bajo nuestra sola responsabilidad que este producto está en conformidad con las normas o documentos normalizados siguientes.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

POPOLSKU

DECLARACJA ZGODNOŚCI CE

Oświadczamy na własną odpowiedzialność, że niniejszy wyrób jest zgodny z następującymi normami bądź dokumentami normatywnymi:

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

PORTUGUES

DECLARACAO DE CONFORMIDADE CE

Declaramos, sob nossa exclusiva responsabilidade, que este produto cumpre as seguintes normas ou documentos normativos.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

NEDERLANDS

EC-KONFORMITEITSVERKLARING

Wij verklaren dat dit produkt voldoet aan de volgende normen of normatieve documenten.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

DANSK

CE-KONFORMITETSERKLAERING

Vi erklærer under almindeligt ansvar, at dette produkt er overensstemmelse med følgende normer eller normative dokumenter.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

NORGE

CE-ERKLAERING AV ANSVARSFORHOLD

Vi erklærer at det er under vårt ansvar at dette produkt er i overensstemmelse med følgende standarder eller standarddokumenter.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

SVENSKA

CE-FORSÄKRAN

Vi intygar och ansvarar för, att denna produkt överstämmer överstämmer med följande norm och dokument.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

SUOMI

TODISTUS CE-STANDARDINMUKAISUUDESTA

Todistamme taten ja vastaamme yksin siitä että tämä tuote on alluueteltujen standardien je standardoimisaslakirjojen vaatimusten mukainen.

RL 98/37 EWG, RL 89/336 EWG (EMV), RL 73/23 EWG
EN 61000-3-2/95, EN 61000-3-3/95
EN 55014-1/1993, EN 55014-2/97, EN 68:1977
EN 50144-1/1998, EN 50144-2-6/00, EN 50144-2-1/99

Bernd Schafstein
(Geschäftsführer)



19.09.00

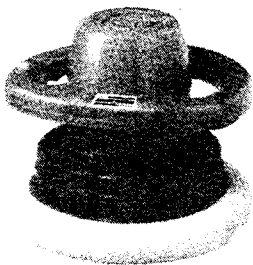
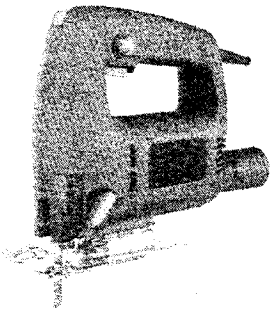
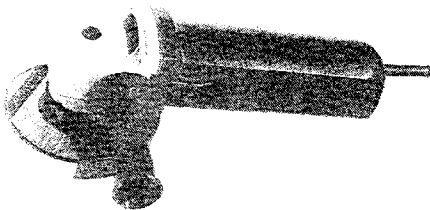
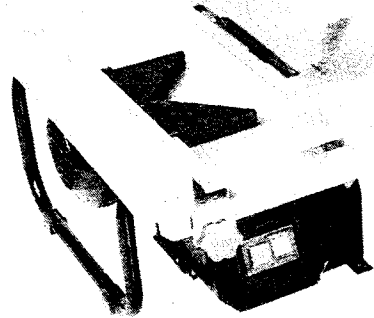
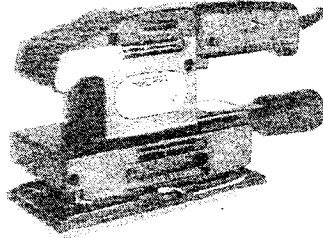
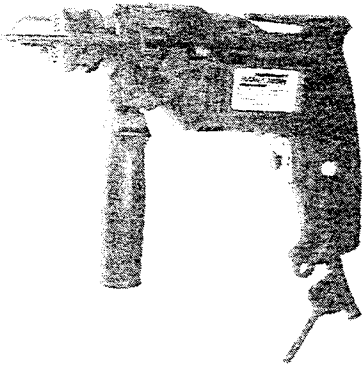
BRÜDER MANNESMANN WERKZEUGE GMBH & CO. KOMMANDITGESELLSCHAFT

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- D** Sicherheitshinweise
- GB** Safety-instructions
- NL** Veiligheidsadviezen
- E** Instrucciones de Seguridad
- F** Consignes de Securite
- P** Instruções de Segurança
- I** Indicazioni per la Sicurezza
- S** Säkerhetsanvisningar
- DK** Sikkerhedsanvisning
- SF** Turvallisuusohjeet
- N** Sikkerhetsinstruksjoner

General safety-instructions

IMPORTANT! When using electric power-tools, the following safety-instructions have to be observed to prevent the risk of electric shock, personal injury and fire. Please read and observe these instructions carefully before using the tool.

- **Keep your working-area clean.**
Cluttered areas and work-benches invite injuries.
- **Consider work-area environment.**
Do not expose power-tools to rain. Do not use power-tools in damp or wet locations. Keep your work-area well lit.
Do not use power-tools near flammable liquids or gas.
- **Protect against electric shock.**
Prevent body contact with grounded surfaces (e.g. pipes, radiators, refrigerators etc.)
In case of working at high humidity or other extreme circumstances, the electric safety can be reached by using an additional safety-fuse.
- **Keep children away.**
Do not let visitors touch or contact the tool or extension-cord. All visitors should be kept away from your working-area.
- **Store idle tools**
When not in use, your power-tools should be stored in a dry and locked-up place out of the reach of children.
- **Do not force tools.**
Your power-tool will do a better job and operate more safely at the rate of which it was intended.
- **Use the right tool.**
Do not force small tools or attachments to do the job of a heavy-duty tool.
Do not use tools for other than their intended purpose, for example a circular saw must not be used for cutting trees or branches.
- **Be sure to wear sufficient clothes.**
Do not wear loose clothing or jewelry. They can be caught by moving parts of the machine.
Working-gloves and non-skid footwear are recommended when working outdoors.
Wear protective hair-covering to contain long hair.
- **Be sure to wear safety-glasses.**
Also use a dust-mask during pulverulent operations and wear ear-protection. The indicated noise-level may be exceeded depending on the working environment and the material to be treated.
- **Do not abuse power-cord.**
Never carry your tool by the power-cord or use the cord to disconnect the plug from the outlet.
Keep the cord away from heat, oil, grease and sharp edges.
- **Secure the workpiece.**
Always use clamps or vices to fix the work-piece. It is held safer than by your hands and enables the user to operate the tool with both hands.
- **Do not overreach.**
Keep proper footing and balance at all times.
- **Maintain your tools with care.**
Keep your tool sharp and clean for better and safer performance.
Follow instructions for lubricating and changing accessories.
Inspect power-cord periodically and, if damaged, have them repaired by an authorized service-facility.
Inspect extension-cord periodically and replace, if damaged.
Keep handles clean, dry and free from grease and oil.
- **Disconnect your tool.**
When not in use, before servicing and before changing accessories such as blades, drills etc. the tool must be disconnected from the outlet.
- **Remove adjusting keys and wrenches.**
Be sure to remove any adjusting key or wrench from the power-tool, before starting your job.
- **Avoid unintentional starting.**
Do not carry plugged-in power-tool with your finger on the switch.
Be sure that the tool is switched-off before plugging in.
- **Outdoor use extension cord**
When your tool is used outdoors, be sure to use adequate extension-cord intended for outdoors-use and marked accordingly.
- **Stay alert.**
Always watch your job carefully and use common sense.
Do not use your tool, when you are tired or without concentration
- **Check damaged parts.**
Before further use of the power-tool, any guard or other part, which is damaged should be carefully checked to determine, that it will operate properly and performs its intended function.
Check for alignment of moving parts, breakage of parts, mounting and any other conditions, that may effect its operation.
Any part, which is damaged, should be properly repaired or replaced by an authorized service-center unless otherwise indicated elsewhere in the instruction-manual.
Do not use any power-tool, if the switch does not work.
- **Warning!**
The use of any other accessories or attachments than recommended in the instruction-manual may cause a risk of personal injury
- **Repair of tools.**
This electric power-tool is manufactured in accordance with the relevant safety-rules.
Repair of electric appliance must only be carried out by experts or authorized people.
Otherwise any repair may cause considerable danger for the user.

Please store these instructions for future reference.