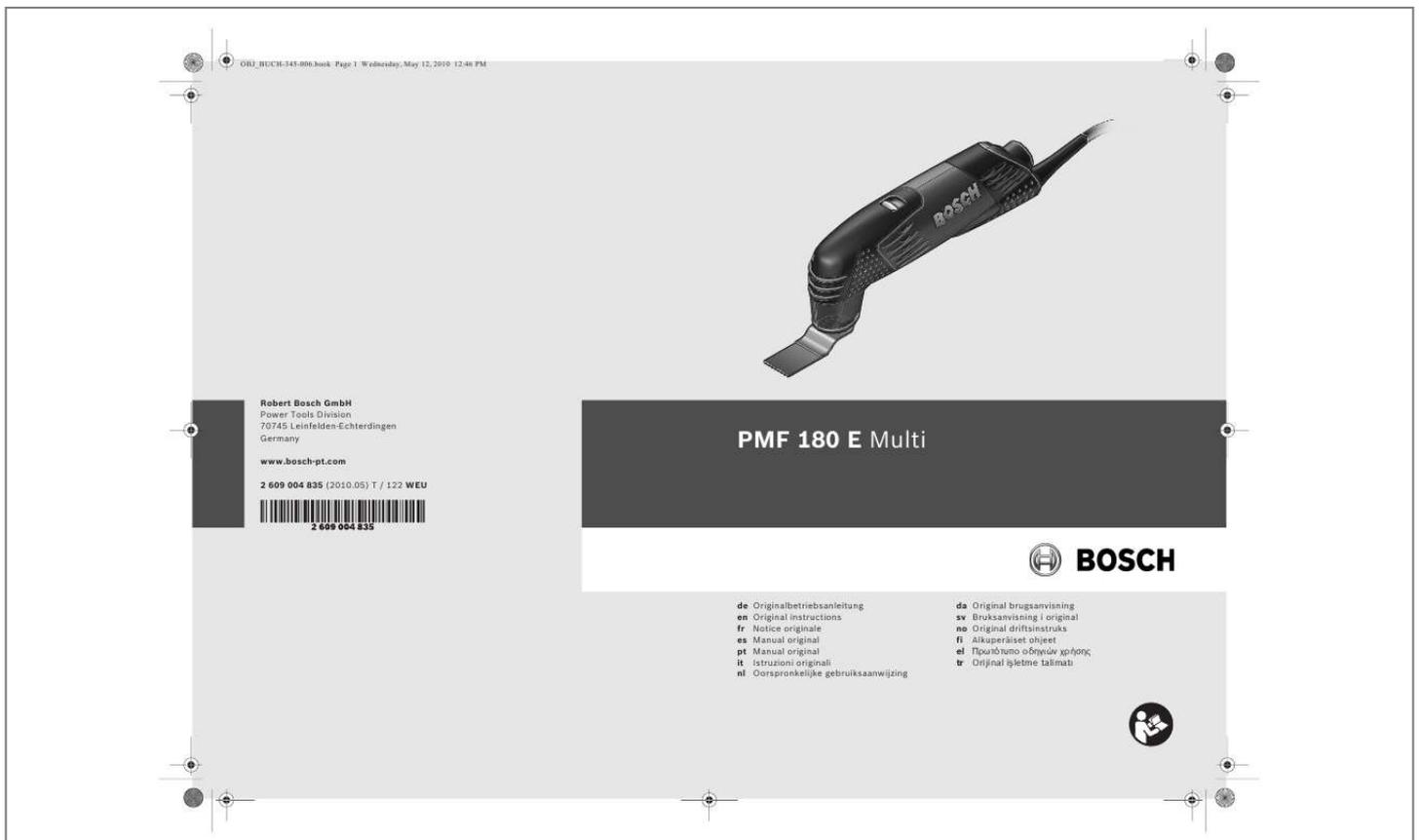




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for BOSCH PMF 180 E MULTI. You'll find the answers to all your questions on the BOSCH PMF 180 E MULTI in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual BOSCH PMF 180 E MULTI  
User guide BOSCH PMF 180 E MULTI  
Operating instructions BOSCH PMF 180 E MULTI  
Instructions for use BOSCH PMF 180 E MULTI  
Instruction manual BOSCH PMF 180 E MULTI



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**Manual abstract:**

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool. 1) Work area safety a) Keep work area clean and well lit. cluttered or dark areas invite accidents. B) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes. C) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control. 2) Electrical safety a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. unmodified plugs and matching outlets will reduce risk of electric shock. B) Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded. C) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges and moving parts. E) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock. F) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock. @@@@ b) Use personal protective equipment. Always wear eye protection. @@ c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents. D) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury. This enables better control of the power tool in unexpected situations. f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts. G) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards. 14 \ English 4) Power tool use and care a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed. B) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired. C) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally. D) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users. e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools. f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control. g) Use the power tool, accessories and tool bits etc. In accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation. 5) Service a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained. Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock. @@Keep hands away from the sawing range. do not reach under the workpiece. Contact with the saw blade can lead to injuries. Use suitable detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance. Contact with electric lines can lead to fire and electric shock. damaging a gas line can lead to explosion. @@@@The power tool is guided more secure with both hands. secure the workpiece. @@Dust from light alloys can burn or explode. Never use the machine with a damaged cable. @@ damaged cables increase the risk of an electric shock. Wear protective gloves when changing application tools/accessories. Application tools/accessories become hot after prolonged usage. @@@@Read all safety warnings and all instructions. @@Operate the power tool exclusively with Bosch accessories. @@Please observe the article number on the type plate of your machine. The trade names of the individual machines may vary. Measured sound values determined according to EN 60745. @@@@ 9 m/s<sup>2</sup>, uncertainty K<1. @@@@It may be used for a preliminary assessment of exposure. the declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period. An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period. Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns. We declare under our sole responsibility that the product described under "Technical Data" is in conformity with the following standards or standardization documents: EN 60745 according to the provisions of the directives 2004/108/EC, 2006/42/EC. Before any work on the machine itself, pull the mains plug. Wear protective gloves when changing application tools/accessories. Contact with the application tool/accessory can lead to injuries. Selecting the Application Tool/Accessory The following table shows examples for application tools.



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Further application tools can be found in the extensive Bosch accessories program. Accessory BIM segment saw blade Material Wooden materials, plastic, non-ferrous metals Application Separating and plunge cuts; also for sawing close to edges, in corners and hard to reach areas; Example: shortening already installed bottom rails or door hinges, plunge cuts for adjusting floor panels Sanding surfaces close to edges, in corners or hard to reach areas; Depending on the sanding sheet for, e. g. , sanding wood, paint, varnish, stone Separating and deep plunge cuts; also for sawing close to edges, in corners and hard to reach areas; Example: narrow plunge cut in solid wood for installing a ventilation grid Smaller separating and plunge cuts; Example: Cut-outs in furniture for cable connections Smaller separating and plunge cuts; Example: Shortening narrow profiles, cutting fastening elements such as staples Cutting and separating close to edges, in corners or hard to reach areas; Example: Removing grouting joints between wall tiles for repair work, cutting openings in tiles, gypsum boards or plastic HCS plunge Wooden materials, cut saw blade, soft plastics wood HCS plunge cut saw blades, wood BIM plunge cut saw blades, metal HM-Riff segment saw blade Unhardened nails, screws, smaller profiles), non-ferrous metals Grouting joints, soft wall tiles, glass-fibre reinforces plastic and other abrasive materials For removing the application tool/accessory loosen the screw 9 with the allen key 10 and remove the tool. Plunge cut saw blade 8) in such a way on the tool holder 7 that the openings of the tool engage into the cams of the tool holder. For a safe and fatigue-free working position it is possible to position the application tools/accessories in any snap-in positions on the tool holder. Position the tool in such a way that the depressed centre points downwards (marking on the tool is readable from above, see figure on the graphics page). Use the screw 9 to fasten the application tool/ accessory.

Tightly fasten the screw 9 with the allen key 10. check the tight seating of the application tool/accessory.

Incorrect or not securely fastened application tools/accessories can come loose during operation and pose a hazard. Mounting/Replacing a Sanding Sheet on the Sanding Plate The sanding plate 11 is fitted with Velcro backing for quick and easy fastening of sanding sheets with Velcro adhesion. Before attaching the sanding sheet 12, free the Velcro backing of the sanding plate 11 from any debris by tapping against it in order to enable optimum adhesion. Position the sanding sheet 12 flush alongside one edge of the sanding plate 11, then lay the sanding sheet onto the sanding plate and press firmly. To ensure optimizing the sanding pressure does not lead to an increase of the sanding capacity, but to increased wear of the machine and the sanding sheet.

For precise on-the-spot sanding of edges, corners and hard to reach areas, it is also possible to work only with the tip or an edge of the sanding plate. A sanding sheet that has been used for metal should not be used for other materials. Work on a soft surface (e. Otherwise the scraper can cut into the surface.

Before any work on the machine itself, pull the mains plug.

For safe and proper working, always keep the machine and ventilation slots clean. Clean Riff application tools (accessory) regularly with a wire brush.

@@@ bosch-pt. Com Our customer service representatives can answer your questions concerning possible applications and adjustment of products and accessories. Only for EC countries: Do not dispose of power tools into household waste! According the European Guideline 2002/96/EC for Waste Electrical and Electronic Equipment and its implementation into national right, power tools that are no longer usable must be collected separately and disposed of in an environmentally correct manner. Subject to change without notice. Nedan använt begrepp "Elverktyg" hänförs sig till nätdrivna elverktyg (med nätsladd) och till batteridrivna elverktyg (sladdlösa). Ürün kodu Titreim say s ön seçimi Giri gücü Ç k gücü Botaki devir say s n0 Osilasyon aç s sol/sa A rl EPTA-Procedure 01/2003'e göre Koruma s n f W W Titreim say s ön seçimi Ayar dümesi yard m ile yapt n z ie gerekli olan titreim say s n 2 alet çal rken de önceden seçerek ayarlayabilirsiniz. .



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