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Information about conductive materials

This information is intended for customers who frequently use angle grinders on conductive materials, such as metal or carbon fiber.

The grinding of conductive materials may lead to an accumulation of conductive particles inside the angle grinder resulting in an increased risk of electric shock.

It is the employer's responsibility to maintain workplace safety by performing risk assessments of all workplaces, including the grinding of conductive materials. Individual angle grinder maintenance intervals may be based on such risk assessments. As a basic rule, the angle grinders must be serviced before defects occur.

Maintenance resulting from conductive material accumulation within the angle grinders may comprise dismantling, internal cleaning and/or exchange of parts.

Additional safety measures such as use of a ground fault circuit interrupter / residual current device (RCD), isolating transformer, etc. are advisable.

In addition, national safety and maintenance rules must be observed.

- In Europe e.g.: European Directives 2009/104/EC "Minimum safety and health requirements for the use of work equipment by workers at work"
- In Germany e.g.: DGUV Regulation 3 (formerly BGV A3) "Electrical installations and equipment"
- In other countries, please contact your national work safety representative for further information.