

Safety recommendations for the correct handling of power-driven brushing tools

EN 1083-2 regulates safety requirements imposed on power-driven brushing tools. The safety speed stipulated on the brush, the label or the packaging must not be exceeded. In some cases, the recommended working speed may be well below the maximum safety speed. The rotating speed of the drive machine may never exceed the maximum safety speed for the brushing tool. In order to increase safety when working with power-driven brushing tools, please additionally observe the following measures.

Before operation

- All operators must read, study, understand and comply with all warnings and operating instructions and those instructions provided with the power tool before using this brushing tool
- Use only brushing tools that are applicable for the machine

Storage of brushes

- Brushing tools must be stored in the relevant containers and in suitable rooms and be protected from deformation
- Brushing tools must be protected from high humidity, condensation, heat, liquids or steam which might cause damage to the brush or oxidation of components

User protection

- Check power driven brushes before each use on possible damages and scrap the brush if necessary
- Power driven brushes may lose filaments and eject particles and debris, which can damage the body and easily penetrate thin clothing and/or the skin. All persons in the working area must wear suitable personal protective equipment: safety glasses/full face shield, safety gloves, ear protection, protective clothing, respiratory protection against dust and fumes

Mounting and operation

- Make sure that the power driven brush is suitable for the intended application
- The marked maximum permissible speed of rotation Max RPM or nmax or MSFS must never be exceeded
- Brushing tools shall be used only on machines with suitable clamping
- Connection Threads of machine and brush shall be equal
- When working with shaft-mounted brushes, the marked minimum clamping length or maximum free shaft length shall be followed
- Do not clamp on the radius of the shaft, but the cylindrical area only
- Brushing tools with metallic adapters or plastic bushings must be clamped on the original metal flanges, and not on the adapters
- Do not overload the brush by too high contact pressure
- Please check brushing tool and machine when it comes to high vibration
- Tube brushes shall be used only inside a tube or a hole when they are power driven
- Tool guards must be kept in place at all times

Disposal

- Worn or damaged brushes must be properly disposed of in accordance with local authority regulations



Due to the large variety of machine types and applications, the safety instructions listed here cover fundamental safety aspects. For more information and recommendations, please refer to the relevant laws, regulations, safety instructions and standards.

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