



## **SAFETY INSTRUCTIONS FOR THE APPLICATION OF DIAMOND TOOLS**

**PLEASE READ BEFORE BEGINNING OF WORK! FOLLOW THE INSTRUCTIONS!**

1. Rotating tools are generally a source of danger. Therefore all valid safety standards and regulations should be strictly accepted.
2. Before starting of work always make sure that all users of the tools are familiar with the appropriate safety regulations and application instructions of diamond tools.
3. Always follow the instructions indicated on the tool and the machine.
4. Make sure that the tool is suitable for its intended use. Not suitable tools can be very dangerous!
5. Examine all products in respect of damage or defects before mounting.
6. Never exceed the maximum operating speed of the tool. Before start of working compare the rotation speed of the machine with the maximum operating speed of the tool!
7. Never remove blade guards and other safety devices from machines and ensure they are in good condition and adjusted properly. Any protection covers should be adjusted to deflect sparks and debris away from the operator.
8. Use additional protection for people working nearby.
9. Clean the machine flange before mounting of the tool and check they are undamaged. Make sure the diameter of the spindle agrees with the bore of the tool according to the regulations.
10. The arrow on the tool must be equal to the running direction of the machine.
11. The use of ear protection complying with EN352 as well as gloves, sturdy shoes, suitable work clothes and respirators complying with EN149 is recommended.
12. Eye protection with a minimum protection level of EN166 grade B is obligatory!
13. Ensure that the work piece is fixed safe and properly.
14. The machine or the work piece should be held tightly. No excessive pressure on the tool is needed - the weight of the machine gives usually enough cutting pressure.
15. Please avoid excessive force, impact or overheating of the tool. Damaged tools must be replaced immediately!
16. The diamond saw blade is designed for straight cutting. Curved cuts or deviation in the slot can cause cracks in the core or segment loss.



17. Avoid continuous use while dry cutting – always grant sufficient cooling phases.
18. In case of decreasing cutting rate the tool can be sharpened by some cuts in abrasive materials (e.g. sandstone, asphalt, bricks).
19. Used or defect tools should be disposed in accordance with local and national regulations or should be sent back to the manufacturer for inspection.
20. Further safety information can be obtained from the operating manual of the machine, from the “FEPA Safety Code for Super Abrasives for Stone and Construction“ as well as from the concerning safety regulations.
21. More information under [www.elbstein-hamburg.de](http://www.elbstein-hamburg.de)

