

# Important instructions for the use of diamond cutting wheels

## WARNINGS

- Inspect visually for any damage before every use.
- Do not use any wheels that have been dropped (with or without right angle grinder)
- The use of damaged and improperly mounted or incorrectly wheels is extremely dangerous!
- Always wear protective glasses with side protection!  
A full protection mask is recommended.
- Please check all protective devices before use
- A special protection device is to be used on the machine when cutting stone, concrete or similar material (see instructions for use of the machine manufacturer)
- The diamond cutting wheel is only suitable for straight cuts in the material. The cutting of curved sections or one-sided pressure exerted to the cutting direction can cause tears or the separation of segments that can lead to injury

## CORRECT AND PROPER ASSEMBLY

- The bores of the diamond wheel must agree with the diameter of the holder
- The arrow on the wheel (= prescribed direction of rotation) must always agree with the direction of rotation of the machine.
- Before mounting the wheel, check both flange surfaces and observe the prescribed fit as well as the prescribed size of the flange.
- Do not use wheels that are imbalanced or list (strong vibrations on the machine)

## APPLICATION

- The circumference velocity or the speed of the machine is not permitted to exceed the prescribed maximum speed (m/s) of the wheel. (speed range for dry cutting up to the diameter of 115 mm 60–80 m/s, larger diameters 72 – 80 m/s)
- The cutting wheel must not be lowered onto the workpiece with force
- No unprotected persons are permitted to be present in the direction of swarf ejection on the cutting wheel and in the immediate vicinity of the work area. Also pay attention to objects that can be subject to damage (window panes, cars,...).
- Do not apply pressure, the weight of the right angle grinder is fully sufficient
- Do not use to cut metal (except Evolution Express – this blade is suitable for steel up to 3,5mm thickness; except Perfect DB).
- Cut large cross-sections in several work stages.
- You should be able to touch the stationary cutting wheel immediately after the cut, otherwise you should stop using the machine and wait for it to cool down (cooling intervals are not necessary for cutting discs marked with "no cooling intervals" or "cool formula").

## RESHARPENING

- During work adjustment the diamond wheels can be felt to come out of the metal holder in order to work itself free in a self-sharpening fashion during use.
- Should the diamonds increase or level under unfavourable conditions, a sharpening is required.
- For this, cut two or three times into a sharpening stick or in abrasive stone such as sandy limestone.

## WARRANTY CLAIMS

- We can accept no responsibility for improper use. Complaints can only be accepted and investigated if the lining height is at least 2 mm.
- The manufacturer can accept no liability for any technical alterations that the user carries out to the diamond wheel!