Claims

1. Bearing component, comprising:
   - a base body (2) and
   - an opening (3) which is formed in the base body (2) and on which an internal bearing face is formed,
   - wherein the internal bearing face has a diamond coating (4), and
   - wherein the diamond coating (4) has elongate depressions (42) which are provided in the diamond coating (4) and extend substantially in the longitudinal direction (X-X) of the opening, characterised in that the width (B) of the elongate depressions (42) is less than an average width of the diamond crystals (41) of the diamond coating (4).

2. Bearing component according to claim 1, characterised in that the opening (3) is a through-opening.

3. Bearing component according to any of the preceding claims, characterised in that the elongate depressions (42) extend continuously from a first side (31) to a second side (32) of the opening.

4. Bearing component according to any of the preceding claims, characterised in that the elongate depressions (42) are provided in the diamond coating (4) without crossings.

5. Bearing component according to any of the preceding claims, characterised in that the elongate depressions (42) extend substantially mutually parallel.

6. Bearing component according to any of the preceding claims, characterised in that the elongate depressions (42) are provided at approximately equal distances along an internal circumference of the opening (3).

7. Bearing component according to any of the preceding claims, characterised in that the ratio of the depth of the elongate depressions (42) to the width of the elongate depressions is approximately two.

8. Bearing component according to any of the preceding claims, characterised in that the elongate depressions (42) are filled with a lubricating medium, in particular a liquid lubricant.

9. Bearing component according to any of the preceding claims, characterised in that the internal bearing face (20) of the base body (2) is completely covered with the diamond coating 4.

10. Bearing component according to any of the preceding claims, characterised in that the bearing component is a radial sliding bearing.