CLAIMS

1. A bit holder for an earth working machine, in particular a road milling machine, having a support member ~~(21)~~ onto which an insertion projection ~~(30)~~ is indirectly or directly attached on an insertion projection side, the insertion projection ~~(30)~~ comprising at least one convex abutment surface ~~(31.1)~~ and one pressure surface ~~(32.1)~~,

wherein the insertion projection ~~(30)~~ comprises two convex abutment surfaces ~~(31.1)~~ that are arranged at a distance from one another,

wherein the abutment surfaces are arranged at least locally in the region of the insertion projection front side facing in the tool advance direction, and the pressure surface is arranged in the region of the insertion projection back side.

2. The bit holder according to Claim 1, wherein the abutment surfaces ~~(31.1)~~ are arranged at a distance from one another by means of a recess ~~(31.2)~~ of the insertion projection ~~(30)~~.

3. The bit holder according to one of Claims 1 or 2, wherein the abutment surfaces ~~(31.1)~~ have the same radius of curvature or the same curvature geometry.

4. The bit holder according to Claim 3, wherein the radius of curvature of the abutment surfaces ~~(31.1)~~ is in the range between 16 mm and 32 mm.

5. The bit holder according to one of Claims 3 to 4, wherein the radius of curvature is a constant radius over the length of the abutment surfaces ~~(31.1)~~.

6. The bit holder according to one of Claims 1 to 5, wherein the abutment surfaces ~~(31.1)~~ are arranged on an identical reference circle; and/or the abutment surfaces ~~(31.1)~~ have the same curvature center point.

7. The bit holder according to one of Claims 1 to 6, wherein the dimension of the abutment surfaces ~~(31.1)~~ in the direction of the insertion projection ~~(30)~~ is in the range between 20 mm and 50 mm.

8. The bit holder according to one of Claims 1 to 7, wherein the dimension of the abutment surfaces ~~(31.1)~~ in the circumferential direction is equal to at least 30° to 80°.

9. The bit holder according to one of Claims 1 to 8, wherein the abutment surfaces ~~(31.1)~~ transition via a convex transition region into the at least locally concavely embodied recess ~~(31.2)~~.

~~10. The bit holder according to one of Claims 1 to 9, wherein the abutment surfaces (31.1) are arranged at least locally in the region of the insertion projection front side facing in the tool advance direction (v), and the pressure surface (32.1) is arranged in the region of the insertion projection back side.~~

~~11~~10. The bit holder according to one of Claims 1 to ~~10~~9, wherein the abutment surfaces ~~(31.1)~~ are arranged symmetrically with respect to the central transverse plane ~~(MQ)~~ of the insertion projection ~~(30)~~ extending in the direction of the longitudinal center axis of the insertion projection ~~(30)~~; and/or the pressure surface ~~(32.1)~~ is arranged symmetrically with respect to said central transverse plane ~~(MQ)~~.

~~12~~11. The bit holder according to one of Claims 1 to ~~11~~10, wherein the pressure surface ~~(32.1)~~ is arranged at a distance of at least 20 mm ~~(distance dimension A)~~ from the attachment region of the insertion projection ~~(30)~~ onto the support member ~~(21)~~.

~~13~~12. The bit holder according to one of Claims 1 to ~~12~~11, wherein the abutment surfaces ~~(31.1)~~ are arranged at a distance of at least 15 mm ~~(distance dimension B)~~ from the attachment region of the insertion projection ~~(30)~~ on the support member ~~(21)~~.

~~14~~13. The bit holder according to one of Claims 1 to ~~13~~12, wherein the surface centroid of at least one of the abutment surfaces ~~(31.1)~~ is distant no more than 20 mm ~~(distance dimension C)~~, in the direction of the longitudinal center axis of the insertion projection ~~(30)~~, from the surface centroid of the pressure surface ~~(32.1)~~.

~~15~~14. The bit holder according to one of Claims 1 to ~~14~~13, wherein the normal line through the surface centroid of the pressure surface ~~(32.1)~~ passes through the insertion projection ~~(30)~~ between the abutment surfaces ~~(31.1)~~.

~~16~~15. The bit holder according to one of Claims 1 to ~~15~~14, wherein the abutment surfaces ~~(31.1)~~ are formed by carrying segments that are elevated with respect to the insertion projection ~~(30)~~.

~~17~~16. The bit holder according to one of Claims 1 to ~~16~~15, wherein the line normal to the pressure surface ~~(32.1)~~ is at an angle of between 30° and 70° to the longitudinal center axis of the insertion projection ~~(30)~~.