CLAIMS

1. An anchor having a sleeve (20), a bolt (10) that passes through the sleeve (20) and at least one expansion element (30) that is positioned in front of the sleeve (20) and that is axially supported on the sleeve (20), whereby the bolt (10) has an expansion area (15) for the expansion element (30), characterized in that the sleeve (20) has a wavy shape with axial wave peaks (21) in which the outer radius (r_a) of the sleeve (20) as well as the inner radius (r_i) of the sleeve (20) each have a maximum, and with wave valleys (22) in which the outer radius (r_a) of the sleeve (20) as well as the inner radius (r_i) of the sleeve (20) each have a minimum, and the at least one expansion element (30) is an expansion tab that is situated in front of one of the wave peaks (21).

2. The anchor according to claim 1, characterized in that the sleeve (20) has a constant wall thickness (d), especially over at least 90% of its surface area.

3. The anchor according to one of the preceding claims, characterized in that the wavy shape extends all the way to a rear (71) of the sleeve (20) facing away from the expansion element (30) and/or in that the wavy shape covers the entire sleeve (20).

4. The anchor according to one of the preceding claims, characterized in that the at least one expansion element (30) is configured as one piece with the sleeve (20).

5. The anchor according to one of the preceding claims, characterized in that the sleeve (20) has an axial slit (28) which divides the sleeve (20), whereby the slit (28) is arranged in one of the wave valleys (22).

6. The anchor according to one of the preceding claims, characterized in that the bolt (10) is provided with at least one projection (11) that engages into the sleeve (20), thus forming an anti-twist protection means on one of the wave peaks (21).

7. The anchor according to claim 6, characterized in that the projection (11) is arranged so as to be axially offset towards the rear relative to the expansion area (15) of the bolt (10), at least in certain areas.

8. The anchor according to one of the preceding claims, characterized in that the sleeve (20) is tapered towards the front.

9. An anchor having a sleeve (20), a bolt (10) that passes through the sleeve (20) and at least one expansion element (30) that is positioned in front of the sleeve (20) and that is axially supported on the sleeve (20), whereby the bolt (10) has an expansion area (15) for the expansion element (30), characterized in that the sleeve (20) has a wavy shape with axial wave peaks (21) in which the outer radius (r_a) of the sleeve (20) as well as the inner radius (r_i) of the sleeve (20) each have a maximum, and with wave valleys (22) in which the outer radius (r_a) of the sleeve (20) as well as the inner radius (r_i) of the sleeve (20) each have a minimum, and the anchor has a plurality of expansion elements (30) configured as expansion tabs, whereby one of the expansion tabs is situated in front of one of the wave peaks (21).