



Abstract

Bone screw including two threaded segments (5;7) formed axially in the end portions thereof and an intermediate segment (6), the outside diameter D_{VS} of the threaded front segment (5) being smaller than the core diameter D_{KH} of the threaded rear segment (7) and the outside diameter D_{MS} of the intermediate segment (6) being smaller than the core diameter D_{KV} of the threaded front segment (5).

Device for the reduction, compression, and fixation of bone fragments, comprising

- a) an implantation instrument (15) comprising a central bore (17) extending coaxially therethrough, so that
- b) a screwdriver (16) may be passed through said central bore (17) from the rear end (19) of the instrument (15),
- c) the central bore (17) being provided with an internal screw thread (20) formed in the front end portion (18) of the instrument (15), which is complementary to the external screw thread (9) formed in the threaded rear segment (7) of the bone screw (1) and which extends from the front end portion (18) of the implantation instrument (15) to a depth T ; and
- e) the depth T is $\geq L$, L being the length of the threaded rear segment (7) of the bone screw (1).

