

ABSTRACT

SELF-DRILLING ANCHOR

A self-drilling anchor (10) for use in a friable material (1) comprises a body (12) having an axis (13), a flanged rear end (14) , a drilling front end (16) and a generally cylindrical portion (18) therebetween having an outer surface (20) with a thread (22) disposed thereon, wherein the body forks, beginning at a predetermined distance (SD) from the flanged rear end, into a first leg (24) and a second leg (26), the first leg extending forwardly into a drilling tip (28) and having a generally rearward facing shoulder (30) angled obtusely outwardly with respect to the axis, wherein the body (12) has an axial bore (32) for receiving an elongate fastener (2), the axial bore (32) extending substantially through the flanged end (14) and the generally cylindrical portion (18) and leading to the generally rearward facing shoulder (30), wherein the anchor (10) has a drilling mode wherein the second leg (26) nests behind the generally rearward facing shoulder (30) of the first leg (24), and an anchoring mode wherein the legs are pivoted apart from one another.

Figure 1