

INSERT PRECISION-INTEGRATED INTO A BLANK BODY BY ADDITIVE MANUFACTURING

ABSTRACT

Steel pipe (1) for drilling, exploiting hydrocarbon wells, transporting petrol and gas, carbon capture or geothermal energy, comprising at least one male (2) or female (3) insert and a metal body (4), the insert (2, 3) comprising at least a first thread axis, at least one toric or frusto-conical sealing surface (21, 22), a threaded portion (5) and a non-threaded portion (6) connected to the metal body (4), characterised in that the metal body (4) is made entirely by additive manufacturing and in that the insert (2, 3) comprises an anchoring profile (7) arranged so as to adhere the additive material of the metal body (4).

[Figure 2a]