

INTEGRATED SENSOR CONNECTION

ABSTRACT

Male or female tubular threaded connection (1) for a steel pipe comprising at least one external (10) or internal (11) threading, an end lip (12), a portion produced by additive manufacturing (3) arranged to house at least one sensor (4) at a predetermined distance from a functional surface (5, 6, 7) of said connection, the sensor (4) being arranged to measure a physical quantity related to said functional surface (5, 6, 7) and said functional surface (5, 6, 7) being selected from a sealing surface, a threading, an abutment, an internal diameter or an external diameter.

Figure for the abstract: Fig 2