

DEVICE FOR DEEP DRIVING OF TUBES HAVING A LARGE
DIAMETER

ABSTRACT

5 The invention describes a tubing device (100) of
the type operatively connectable to an excavation
machine (200) and configured to perform an excavation
in the ground contained, at least partially, inside at
least one tube segment (300). The tubing device (100)
10 comprises a base frame (1), at least one guiding tower
(7) for the tube segment (300), operatively connected
to the base frame (1), and a tube operating unit (11),
operatively connected to the guiding tower (7). The
tube operating unit (11) is slidable along the guiding
15 tower (7) and is provided with engaging means (12, 13)
capable of both selectively holding the tube segment
(300), and of transmitting a rotary motion and an axial
sliding movement to such a tube segment (300) so as to
allow the progressive driving in the ground and
20 subsequent extraction from the ground. The axial
sliding movement is guided by the guiding tower (7) and
the width of such axial sliding movement is determined
by the stroke of the tube operating unit (11) on such a
guiding tower (7) and is proportional to at least once
25 the diameter of the tube segment (300).

Fig.1