

ABSTRACT

COMPACT WINDING DEVICE FOR A FLEXIBLE LINE

The invention relates to a winding device (10) for a line (1), such as a cable or hose, comprising a stationary frame (11) and a winding drum (12), which is rotatably mounted on said frame and has an interior (12B). From the outside (12A) of the winding drum (12), the line can be wound or unwound. An inner rotary guide (18) in the interior (12B) guides the line (1) continuously from a fixed point (F) fixed with respect to the frame to a rotation point (R) on the winding drum (12) and defines a line course, having two opposite windings (18A, 18B) about the axis of rotation (A), and a rotatable deflection element (18C), in which the line changes over. According to the invention, the winding drum (12) has a first cut-out (15A) at a first end, on the side of the rotation point (R), which cut-out opens out axially and at an end face, and a retaining part (19B) at the other end, which retaining part is rotationally fixed to the frame, has a second cut-out (15B), which opens outward in a plane perpendicular to the axis of rotation (A). By virtue of the cut-outs (15A, 15B) in combination with the special rotary guide (18), the line (1) to be wound can be continuously routed without interruption and without rotational coupling or be subsequently attached, from the outside (12A) through the first cut-out (15A), in the inner rotary guide (18) and from the fixed point (F) of the rotary guide through the second cut-out (15B) or vice versa.